

## WOMEN'S AND CHILDREN'S UNDERGARMENTS; MILLINERY; CHILDREN'S OUTERWEAR; FUR GOODS

This report shows the 1947 Census of Manufactures statistics for establishments engaged primarily in the production of women's, misses', children's, and infants' underwear and nightwear; millinery; children's and infants' outerwear; and fur goods. These establishments have been classified in industries described separately below. There are, however, a few generalizations which apply to these industries.

*Number of Garments Cut.*—In the 1939 Census of Manufactures and previous censuses, the basis for determining the number of garments produced was the number stitched. Cuttings have been used in the 1947 census, as experience has shown that there is less likely to be duplication in cuttings figures than in stitching figures. A garment may be stitched in more than one plant, but it is almost universally true that all pieces of a garment are cut at one time and in the same factory. In addition, the individual manufacturers usually maintain cutting records while they may or may not keep stitching records. Cuttings have been used successfully as the basis for measuring production in the Census Bureau's current Facts for Industry series on apparel.

Value figures for garments or class of garments by State may be somewhat affected by change to a cutting basis. This is particularly true in the case of the State of New York. It is the custom of many New York City manufacturers to cut the garments and then transfer them outside New York State for stitching. In ascribing the value to the State in which the garment is cut, a closer relationship is maintained between the value of the product and the State in which the garment is merchandised. Because more workers are involved in the stitching process, previous censuses tended to place the value of product where the greatest number of production workers were employed.

*Inside and Contract Operations.*—Within these industries, as in others producing apparel, there are two over-all types of operation. The first major type is the inside shop. In this type of operation, the establishment owning the materials cuts the materials and stitches the garments in one shop. The second is the contract operation, in which the establishment owning the materials cuts the garment and then sends out the pieces for stitching in another establishment. In the tables, figures for inside and contracting establishments have been combined. However, the establishment owning the materials reports the cost of stitching as "Cost of Contract and Commission Work," while the contractor reports his earnings as "Contract Receipts." Each of these amounts is shown separately. In some cases, payments between cutting and stitching plants of the same firm have been treated as contract work. This somewhat inflates the amount of contract payments and receipts as they are usually described in the trade, where contractors are generally considered to be independently owned establishments. Also included are establishments which hire no production workers but which sell garments made from their own materials, although entirely processed by establishments owned by others; technically, these are not manufacturing establishments, but it was necessary to include them in order to have complete figures on "Cost of Materials" and "Value of Products." Such establishments were also included in earlier years.

*Value Added by Manufacture in the Apparel Industries.*—Starting with the 1937 Census of Manufactures and through the present census, "Cost of Contract and Commission Work" has been subtracted from the "Value of Product" as one of the elements of "Cost of Materials, Supplies, Etc.," in determining "Value Added" (for a definition of this term see GENERAL EXPLANATIONS). In the 1935 Census of Manufactures, "Cost of Contract Work" was subtracted only if it equalled 10 percent or more of the "Cost of Materials, Supplies, Etc." prior to that "Cost of Contract Work" was not subtracted in determining the "Value Added" figure. The "Value Added" figures presented in this volume for earlier years have all been adjusted, however, to eliminate this duplication wherever "Contract Costs" figures were available.

*Man-hour Figures.*—Man-hour figures, which are generally included in the detailed report for other industries, are not shown in this report. The average establishment in these industries is small and typically maintains a minimum set of records. Furthermore, these industries, with the exception of "Fur Goods," employ workers largely on a piece-work basis. It is believed, therefore, that the reporting of figures on man-hours worked was based on estimates in a much larger proportion of cases than in most other industries. Man-hour figures for these industries are included in tables in the State and summary census volumes to facilitate man-hour comparisons among regions and among industries.

Current statistics for intercensal years are published by the Bureau of the Census in Facts for Industry Series M67J, Women's and Children's Underwear and Nightwear Made From Woven Fabric; M67C, Knit Underwear and Nightwear; M67K, Children's and Infants' Outerwear; M67B, Men's and Boys' Clothing and Cotton and Allied Garments; and M67G, Knit Outerwear.

The value of shipments in the Census of Manufactures industry, Women's and Children's Underwear (2341) differs from the figure shown in the 1947 Facts for Industry Series M67J, Women's and Children's Underwear and Nightwear Made From Woven Fabric. By definition, shipments of cut-and-sew plants using knit fabrics primarily are included in the Census of Manufactures figure. The Census of Manufactures value of shipments also includes receipts for contract work. In comparison, the shipments figure given in the current Facts for Industry Series M67J, covers only plants primarily making underwear from woven fabrics, and contractors' receipts are excluded. Shipments of cut-and-sew plants using primarily knit fabrics are included in the current Facts for Industry Series M67C, Knit Underwear and Nightwear.

The value of shipments in the Census of Manufactures in each of the Children's and Infants' Outerwear industries differs from the value of each of these industries as shown in the 1947 Facts for Industry M67K, Children's and Infants' Outerwear.

The differences between the two series result primarily from the following:

1. Certain types of establishments classified in the current survey in the Children's and Infants' Outerwear, Not Elsewhere Classified, Industry, SIC 2369, are classified elsewhere in the Census of Manufactures.

- A. Establishments primarily making girls' and children's skirts and jackets are classified in the Children's and Infants' Coat Industry, SIC 2363, in the Census of Manufactures.

B. Establishments primarily making girls' and children's robes and rainwear are included in the Robe Industry, SIC 2384, and Raincoat Industry, SIC 2385, in the Census of Manufactures.

C. Establishments primarily making boys' wash suits are classified in the Men's and Boys' Apparel, Not Elsewhere Classified, Industry, SIC 2329, in the Census of Manufactures.

D. Girls' and children's blouse manufacturers are included in the Children's and Infants' Dress Industry, SIC 2361, in the Census of Manufactures.

2. Miscellaneous receipts for contract work, etc., are not included in figures shown in the current survey but are shown in the total value of shipments of each industry in the Census of Manufactures.

The differences enumerated above in the industry classification of certain types of establishments do not affect the comparability of the current and Census of Manufactures figures on products. Differences between commodity figures on both the Women's and Children's Underwear Industry and the Children's Outerwear Industry which appear in the Census of Manufactures and those shown in the current statistics in the Facts for Industry series are due to increased plant coverage and to differences in reporting by some manufacturers.

**Women's and Children's Underwear** (*Standard Industrial Classification No. 2341.*)—This industry comprises establishments primarily engaged in manufacturing women's, misses', children's, and infants' underwear and nightwear cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing underwear and nightwear are classified in Industry 2254, "Knit Underwear Mills." The 1939 figures shown represent the grouping of the three underwear industry classifications used in 1939 plus the manufacture of negligees which was included in the Robes, Lounging Garments, and Dressing Gowns Industry in 1939.

**Corsets and Allied Garments** (*Standard Industrial Classification No. 2342.*)—This industry comprises establishments primarily engaged in manufacturing corsets and corset accessories, brassieres, girdles, foundation garments, and similar body supporting garments. Establishments engaged in manufacturing surgical and orthopedic appliances are classified in Industry 3842, "Surgical and Orthopedic Appliances and Supplies, and Personal Safety Devices, Not Elsewhere Classified." Surgical and maternity corsets and combinations are listed in the Corsets and Allied Garments Industry in this census, whereas in 1939 they were classified in the Surgical Supplies and Equipment and Orthopedic Appliances Industry.

**Millinery** (*Standard Industrial Classification No. 2351.*)—This industry comprises establishments primarily engaged in the production of women's, misses', children's, and infants' trimmed hats made from felt or straw hat bodies and purchased millinery materials. Establishments primarily engaged in manufacturing fur-felt and wool-felt hat bodies are classified in Group 228, "Hats (except cloth and millinery)" and millinery braid and trimmings in Industry 2396, "Trimmings, Stamped Art Goods, and Art Needlework."

#### CHILDREN'S AND INFANTS' OUTERWEAR

All the Children's Wear Industries include manufacturers of teen-age girls', girls', children's, toddlers', and infants' size garments.

The industries in this group reflect two important differences from 1939. In 1939, many children's garments were reported with related women's garments as a single item; thus, coat and legging sets, snow suits, and blouses were combined for women and children in 1939. Since an establishment is classified by industry in this area on the basis of products produced, it is likely that a number of establishments pro-

ducing primarily children's garments were, nevertheless, classified in the Women's Apparel Industry in the 1939 census. In addition, establishments manufacturing infants' wear, which are classified in the 1947 census according to the type of garment, were almost universally placed in the Children's and Infants' Outerwear, Not Elsewhere Classified, Industry in 1939. These could not be corrected in the re-tabulation of the 1939 information for the present census. As a result, figures on general items such as employment, wages, material costs, etc., as well as products for the two years, show a considerable lack of comparability for the industries in this group, with the 1939 figures in most cases other than the Dress Industry, considerably understated.

**Children's Dresses** (*Full Standard Industrial Classification title and number: Children's and Infants' Dresses, 2361.*)—This industry comprises establishments primarily engaged in manufacturing children's and infants' dresses, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing dresses are classified in the Knit Outerwear Industry, 2253. Establishments manufacturing children's and infants' blouses are also included within this industry. In addition to children's and infants' dresses and blouses, this industry also includes the production of girls' and teen-age girls' garments. No distinction is made between manufacturers selling girls' and children's dresses in units and those selling in dozens.

**Children's Coats** (*Full Standard Industrial Classification title and number: Children's and Infants' Coats, 2363.*)—This industry comprises establishments primarily engaged in manufacturing children's and infants' coats, coat and legging sets, and snow suits, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in the Knit Outerwear Industry, 2253.

In 1939 garments other than coats and suits were classified in the "Women's Garments, Not Elsewhere Classified" category and children's sportswear were classified in the "Children's and Infants' Dress" Industry. The 1939 figures, therefore, are not strictly comparable with those for 1947.

**Children's Outerwear, Not Elsewhere Classified** (*Full Standard Industrial Classification title and number: Children's and Infants' Outerwear, Not Elsewhere Classified, 2369.*)—This industry comprises establishments primarily engaged in manufacturing children's and infants' outerwear, not elsewhere classified, such as playsuits, overalls, slacks, beachwear, rompers, cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in the Knit Outerwear Industry, 2253. Establishments manufacturing infants' wear which are classified in the 1947 census according to the type of garment were almost universally placed in this industry in 1939.

Manufacturers who primarily produce certain knit children's garments such as jerseys, jackets, polo, basque, and "T-shirts" are included in this industry when their products are made from purchased knit fabric; manufacturers knitting the garments and knitting the fabrics for use in their garments are classified in the Knit Outerwear Industry, 2253.

**Fur Goods** (*Standard Industrial Classification No. 2371.*)—This industry comprises establishments primarily engaged in manufacturing fur coats, and other garments, accessories, and trimmings made of fur. Establishments primarily engaged in manufacturing sheep-lined clothing are classified in Industry 2386; those engaged in making women's fur-trimmed coats, in Industry 2335; and those engaged in the dyeing and dressing of furs, in Industry 3992.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work <sup>2</sup>	Value of products shipped <sup>3</sup>
		Number (average for the year) <sup>4</sup>	Salaries and wages, total <sup>5</sup>	Number (average for the year) <sup>6</sup>	Wages, total <sup>7</sup>			
<b>Women's and children's underwear:</b>								
1947	1,516	57,306	\$114,543	51,997	\$86,181	\$227,236	\$346,544	\$673,484
1939 <sup>8</sup>	769	n.a.	n.a.	39,859	27,682	59,008	101,462	160,458
1937 <sup>9</sup>	603	n.a.	n.a.	35,404	23,945	52,790	95,532	148,822
1935 <sup>10</sup>	775	40,648	32,752	37,817	26,831	58,948	100,372	159,320
<b>Corsets and allied garments:</b>								
1947	535	37,262	83,355	31,898	59,027	160,738	123,360	284,098
1939	272	23,036	25,147	18,785	16,734	44,313	40,105	84,418
1937	215	18,636	18,704	16,385	13,255	38,276	32,514	70,789
1935	241	17,890	17,259	15,635	12,036	34,416	32,532	66,947
1933	179	15,782	12,138	14,017	9,388	26,057	29,035	58,092
1931	204	n.a.	n.a.	13,977	11,496	40,229	31,694	71,923
1929	213	15,859	18,680	13,664	12,446	40,767	36,035	76,802
1927	222	16,108	17,772	13,778	12,402	41,824	35,394	77,218
1925	185	16,984	18,012	14,525	12,394	39,307	37,808	77,115
1923	216	19,072	20,489	16,104	13,258	39,632	38,416	78,048
1921	173	20,033	19,663	17,084	13,102	36,743	38,857	75,600
1919	188	21,653	20,232	18,415	13,082	36,728	38,816	75,542
1914	167	23,045	12,245	20,496	7,977	20,964	19,587	40,551
1909	138	19,520	9,335	17,564	6,464	17,617	15,640	33,257
1904	109	11,852	4,610	10,975	3,600	8,727	6,135	14,882
1899	138	13,112	4,610	12,297	3,645	8,094	6,367	14,451
<b>Millinery:</b>								
1947	932	20,893	59,489	18,076	46,812	100,723	76,772	177,495
1939 <sup>8</sup>	1,026	n.a.	n.a.	24,017	25,840	56,625	47,313	103,938
1937 <sup>9</sup>	755	24,254	29,076	21,560	22,921	47,235	41,007	88,242
1935	1,033	26,012	31,182	22,770	23,988	45,947	40,042	88,989
1933 <sup>10</sup>	834	24,437	23,125	22,674	20,313	42,701	34,646	77,347
1931	1,134	n.a.	n.a.	26,612	32,565	72,780	71,795	144,575
1929	1,293	37,373	58,613	32,206	42,715	97,603	98,090	195,693
1927 <sup>11</sup>	1,148	38,656	60,809	33,311	46,788	106,005	103,490	209,495
<b>Children's dresses:</b>								
1947	664	22,435	43,416	20,347	33,975	76,469	98,394	174,863
1939	296	16,710	13,952	15,133	10,662	25,537	25,046	50,583
1937 <sup>9</sup>	213	n.a.	n.a.	12,769	9,017	19,720	25,383	45,103
<b>Children's coats:</b>								
1947	506	12,427	33,229	10,990	25,899	58,365	78,845	135,210
1939 <sup>8</sup>	156	n.a.	n.a.	3,501	4,466	17,808	17,808	27,636
1937 <sup>9</sup>	119	n.a.	n.a.	2,794	3,585	7,995	12,719	20,714
<b>Children's outerwear, n.e.c.:</b>								
1947	517	13,274	24,517	12,021	19,477	43,431	49,314	92,745
1939 <sup>8</sup>	168	n.a.	n.a.	6,565	5,084	10,447	12,542	22,989
<b>Fur goods:</b>								
1947	2,229	16,190	68,571	13,745	57,636	122,821	234,466	357,013
1939	2,176	17,329	33,435	13,111	23,403	60,280	107,752	168,032
1937 <sup>9</sup>	1,642	16,057	20,012	12,952	21,560	49,260	106,345	155,605
1935	2,438	16,215	28,832	12,510	21,040	52,792	90,992	143,784
1933	1,463	9,782	13,646	8,210	11,500	30,463	50,061	80,524
1931	2,354	n.a.	n.a.	12,358	24,793	62,115	102,634	164,749
1929	2,855	19,853	46,088	15,752	33,330	101,486	178,107	277,593
1927 <sup>10</sup>	2,756	20,733	47,763	16,840	37,671	104,292	195,323	299,615
1925	2,000	20,164	43,716	16,556	35,164	94,950	159,316	254,266
1923	1,758	18,276	35,954	14,439	27,923	71,881	126,162	198,043
1921	1,707	15,096	28,666	12,052	22,421	54,829	84,537	139,366
1919	1,815	17,307	32,142	13,639	24,149	67,641	105,597	173,138
1914	1,322	11,564	9,118	9,030	6,335	19,786	23,847	43,633
1909	1,241	14,435	10,341	11,927	7,789	24,161	31,777	55,938
1904	867	10,342	6,352	9,370	5,123	15,917	21,202	37,119
1899	734	8,899	4,933	7,758	3,927	11,618	14,281	25,899

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture. For "Women's and children's underwear" and "Fur goods," see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.<sup>2</sup> Figures for years prior to 1935 do not include cost of contract work.<sup>3</sup> For 1947 and 1929, the figures represent value of products shipped, except in the case of "Women's and children's woven underwear," "Children's dresses," "Children's coats," and "Children's outerwear, n.e.c.," for 1947 where they represent value of products made; for all other years, the figures represent value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>4</sup> The returns for 1939 have been retabulated to provide figures comparable with those for 1947. Value added for 1939 before retabulation and on a basis comparable with earlier years was \$86.0 million for "Women's and children's woven underwear," and \$37.4 million for "Millinery." No comparable figures are available for "Children's outerwear, n.e.c.," for years prior to 1939.<sup>5</sup> "Women's and children's woven underwear" was formerly a part of the discontinued classification "Clothing, women's, n.e.c." Separate figures for years prior to 1935 are, therefore, not available.<sup>6</sup> For "Millinery" in 1933 and 1937 and for "Fur goods" in 1937, coverage was incomplete.<sup>7</sup> "Millinery" was formerly a part of the discontinued classification "Millinery and lace goods, n.e.c." Separate figures are, therefore, not available for years prior to 1927. "Children's dresses" and "Children's coats" were formerly part of the discontinued industries "Outerwear, children's-regular factories" and "Outerwear, children's-contract factories." Separate figures for years prior to 1937 are, therefore, not available.<sup>8</sup> Revised.<sup>9</sup> The figures for 1927 and earlier years are not entirely comparable with those for later years because they include data for sheep-lined coats. For 1927, the value of sheep-lined coats produced was \$11.4 million.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers		Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
<b>Women's and children's underwear, total <sup>1</sup></b>	<b>1,516</b>	<b>57,306</b>	<b>\$114,543</b>	<b>51,997</b>	<b>\$86,181</b>	<b>\$227,236</b>	<b>\$346,544</b>	<b>\$573,484</b>	<b>\$5,701</b>
New England.....	75	6,101	10,602	5,584	8,837	21,415	28,256	49,537	911
Massachusetts.....	42	3,423	6,126	3,157	5,058	12,818	16,178	28,862	241
Middle Atlantic.....	1,248	40,853	84,618	36,094	63,250	168,070	273,454	442,307	3,530
New York.....	997	22,920	54,398	20,132	38,275	117,409	212,278	329,667	1,933
New Jersey.....	88	5,031	10,031	4,645	7,640	16,500	23,340	39,006	341
Pennsylvania.....	163	12,902	20,189	12,217	17,335	34,950	37,830	72,734	1,256
North Central.....	78	4,328	9,042	3,855	6,206	17,520	22,084	40,408	557
Illinois.....	33	1,072	2,575	958	1,742	5,042	5,703	10,835	99
Iowa.....	3	233	350	199	240	797	1,105	1,902	112
South.....	72	4,661	7,054	4,347	5,712	13,054	15,874	29,528	403
Virginia.....	6	618	986	578	807	1,522	1,072	2,594	75
West.....	43	1,363	3,227	1,217	2,176	5,068	5,970	11,644	210
California.....	36	1,126	2,863	998	1,865	5,031	5,736	10,767	179
<b>Corsets and allied garments, total <sup>1</sup></b>	<b>535</b>	<b>37,252</b>	<b>83,355</b>	<b>31,898</b>	<b>59,027</b>	<b>160,738</b>	<b>123,360</b>	<b>284,098</b>	<b>4,733</b>
New England.....	51	5,134	12,915	3,993	8,285	22,279	16,470	38,758	900
Massachusetts.....	22	1,239	2,429	1,088	1,712	3,687	2,846	6,532	133
Connecticut.....	25	3,789	10,321	2,807	6,434	18,243	13,228	31,471	675
Middle Atlantic.....	361	19,326	43,263	16,898	31,383	80,097	70,490	150,599	1,011
New York.....	280	12,988	30,582	11,276	21,853	57,213	55,362	112,575	1,246
New Jersey.....	53	3,268	7,549	2,880	5,593	15,009	12,500	27,518	241
Pennsylvania.....	28	3,070	5,132	2,742	3,937	7,876	2,628	10,503	424
North Central.....	52	7,784	16,972	6,597	10,982	37,073	27,004	64,077	462
Illinois.....	29	4,630	11,178	3,638	6,429	23,013	20,135	44,048	331
South.....	24	3,099	5,910	2,769	4,064	14,161	5,223	19,384	1,267
West.....	47	1,909	4,295	1,701	3,413	7,128	4,155	11,283	187
<b>Millinery, total <sup>1</sup></b>	<b>932</b>	<b>20,893</b>	<b>59,489</b>	<b>18,076</b>	<b>46,812</b>	<b>100,723</b>	<b>76,772</b>	<b>177,495</b>	<b>1,019</b>
New England.....	37	1,484	3,115	1,379	2,737	5,555	4,093	9,018	12
Massachusetts.....	28	1,253	2,544	1,170	2,322	4,274	3,062	7,390	11
Middle Atlantic.....	707	14,370	44,703	12,205	35,104	75,515	58,143	133,058	523
New York.....	672	13,376	42,267	11,407	33,137	71,218	54,704	125,982	502
New Jersey.....	16	478	1,290	432	1,024	2,046	1,240	3,286	16
Pennsylvania.....	19	516	1,137	456	943	2,251	2,139	4,390	5
East North Central.....	76	2,229	5,658	2,026	4,504	9,014	6,014	15,028	346
Ohio.....	8	175	368	153	292	686	509	1,105	2
Illinois.....	64	1,681	4,509	1,498	3,540	7,141	5,182	12,323	238
West North Central.....	23	528	1,170	454	838	2,208	1,540	3,814	8
Missouri.....	19	474	1,035	415	779	2,076	1,437	3,512	8
South.....	40	1,252	2,327	1,084	1,745	3,074	3,805	7,770	101
Maryland.....	5	188	341	175	294	734	543	1,277	1
Georgia.....	6	307	503	234	371	884	706	1,600	13
Texas.....	26	485	913	442	739	1,541	1,634	3,175	30
West.....	49	1,000	2,516	841	1,884	4,397	2,601	6,098	29
California.....	44	900	2,312	763	1,767	4,166	2,300	6,466	27
<b>Children's dresses, total <sup>1</sup></b>	<b>664</b>	<b>22,435</b>	<b>43,416</b>	<b>20,347</b>	<b>33,975</b>	<b>76,469</b>	<b>98,394</b>	<b>174,863</b>	<b>1,382</b>
New England.....	21	893	1,546	831	1,211	2,239	2,067	4,306	78
Massachusetts.....	12	552	976	509	722	1,405	1,747	3,152	68
Connecticut.....	5	224	417	209	345	603	200	800	9
Middle Atlantic.....	534	18,675	37,601	16,825	29,057	60,072	91,087	168,089	957
New York.....	340	8,088	19,283	7,009	13,889	36,117	60,260	100,407	456
New Jersey.....	88	3,065	5,097	2,921	4,525	7,984	7,239	15,223	151
Pennsylvania.....	106	7,522	13,221	6,895	10,643	22,871	23,558	40,429	350
East North Central.....	16	410	657	372	526	950	1,142	2,092	72
West North Central.....	14	260	369	237	303	555	301	946	16
South.....	41	1,525	1,977	1,451	1,726	3,470	2,270	5,740	181
Texas.....	16	734	1,025	695	863	2,228	1,814	4,042	43
West.....	38	672	1,266	631	1,152	2,283	1,437	3,720	78
<b>Children's coats, total <sup>1</sup></b>	<b>508</b>	<b>12,427</b>	<b>33,229</b>	<b>10,990</b>	<b>25,899</b>	<b>58,365</b>	<b>76,845</b>	<b>135,210</b>	<b>863</b>
New England.....	19	583	1,299	515	988	1,832	2,072	3,904	17
Massachusetts.....	16	318	725	271	535	897	1,590	2,403	10
Middle Atlantic.....	443	10,571	29,348	9,326	22,824	52,080	70,398	122,478	660
New York.....	367	7,748	23,493	6,602	17,602	43,563	64,050	108,512	349
New Jersey.....	51	1,381	3,001	1,316	2,666	4,504	2,128	6,032	251
Pennsylvania.....	25	1,442	2,854	1,364	2,466	4,023	3,311	7,334	69
East North Central.....	8	285	481	254	371	720	522	1,242	2
West North Central.....	10	482	1,200	432	943	2,147	2,684	4,831	40
South.....	5	260	374	240	332	605	361	966	17
Pacific.....	21	246	527	223	441	981	808	1,789	118
California.....	21	246	527	223	441	981	808	1,789	118

See footnotes at end of table.



TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers		Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
<b>Children's outerwear, n.e.c., total <sup>1</sup></b>	517	13,274	\$24,517	12,021	\$19,477	\$43,431	\$49,314	\$92,745	\$1,188
New England.....	25	1,299	2,135	1,184	1,849	3,664	4,623	8,287	351
Massachusetts.....	14	292	462	260	361	862	1,319	2,181	56
Middle Atlantic.....	378	7,759	15,365	7,031	11,940	27,492	31,925	59,417	481
New York.....	206	5,507	11,710	4,938	8,858	21,395	26,559	47,954	345
New Jersey.....	34	799	1,523	720	1,192	2,883	2,949	5,832	45
Pennsylvania.....	48	1,453	2,132	1,364	1,890	3,214	2,417	5,631	91
East North Central.....	21	1,146	2,394	1,020	1,851	4,257	4,354	8,611	75
Illinois.....	8	547	1,422	471	1,037	2,838	2,772	5,610	57
West North Central.....	15	775	1,312	651	1,035	2,747	2,136	4,883	77
Minnesota.....	6	386	697	317	597	1,604	1,556	3,160	50
South Atlantic.....	19	489	648	441	530	1,143	1,324	2,467	41
Maryland.....	6	178	243	155	204	529	557	1,086	23
East South Central.....	6	384	552	356	432	783	867	1,650	61
West South Central.....	19	795	981	759	901	1,252	2,078	3,330	38
West.....	34	627	1,129	579	939	2,093	2,007	4,100	64
California.....	30	590	1,095	542	905	2,955	1,965	4,020	64
<b>Fur goods, total <sup>1</sup></b>	2,229	16,190	68,571	13,745	57,636	122,821	234,466	357,013	559
New England.....	13	194	527	152	375	745	825	1,362	22
Massachusetts.....	9	143	431	105	288	596	574	962	14
Middle Atlantic.....	2,077	14,777	64,521	12,615	54,591	114,318	223,607	338,245	458
New York.....	2,047	14,371	63,632	12,276	53,899	112,707	221,737	334,760	417
New Jersey.....	9	117	237	109	193	331	348	679	19
Pennsylvania.....	21	289	652	230	499	1,280	1,522	2,806	22
East North Central.....	60	592	1,871	475	1,376	4,788	6,260	10,957	54
Illinois.....	46	255	927	206	727	2,965	3,691	6,564	5
West North Central.....	19	326	816	255	609	1,509	1,949	3,201	11
South Atlantic.....	4	87	206	72	150	339	493	830	1
West.....	47	214	630	176	534	1,122	1,332	2,418	13
California.....	40	130	422	111	368	856	1,113	1,963	8

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

**Women's and children's underwear:** *New England*, Maine, 3; New Hampshire, 3; Vermont, 4; Rhode Island, 3 (158); Connecticut, 20 (1,107); *North Central*, Ohio, 4; Indiana, 6 (461); Michigan, 3 (345); Wisconsin, 2; Minnesota, 8 (620); Missouri, 19 (1,423); *South*, Delaware, 4 (201); Maryland, 4 (544); West Virginia, 1; North Carolina, 17 (1,014); South Carolina, 5 (541); Georgia, 4 (58); Florida, 1; Kentucky, 1; Tennessee, 4 (237); Alabama, 3 (266); Mississippi, 2; Louisiana, 3 (497); Oklahoma, 2; Texas, 15 (520); *West*, Colorado, 1; Arizona, 1; Utah, 3 (160); Washington, 2.

**Corsets and allied garments:** *New England*, Vermont, 1; Rhode Island, 3; *North Central*, Ohio, 2; Indiana, 3; Michigan, 11 (1,943); Wisconsin, 3 (94); Minnesota, 2; Missouri, 1; *South*, Delaware, 1; Maryland, 1; District of Columbia, 1; West Virginia, 3; North Carolina, 2; Georgia, 5 (608); Florida, 1; Kentucky, 1; Tennessee, 1; Arkansas, 1; Louisiana, 2; Oklahoma, 1; Texas, 4 (320); *West*, Utah, 1; California, 46.

**Millinery:** *New England*, Rhode Island, 2; Connecticut, 7; *East North Central*, Michigan, 2; Wisconsin, 2; *West North Central*, Minnesota, 3; Iowa, 1; *South*, Virginia, 3; Alabama, 1; *West*, Colorado, 1; Utah, 1; Washington, 2; Oregon, 1.

**Children's dresses:** *New England*, Maine, 1; Vermont, 3; *East North Central*, Ohio, 5 (175); Illinois, 7; Michigan, 1; Wisconsin, 3 (139); *West North Central*, Minnesota, 1; Missouri, 12; Nebraska, 1; *South*, Delaware, 3; Maryland, 2; Virginia, 5 (269); West Virginia, 1; North Carolina, 1; South Carolina, 1; Georgia, 1; Florida, 4 (55); Alabama, 5 (100); Louisiana, 1; Oklahoma, 1; *West*, Utah, 1; Washington, 1; California, 36.

**Children's coats:** *New England*, Vermont, 1; Connecticut, 2; *East North Central*, Illinois, 5 (132); Michigan, 3 (153); *West North Central*, Minnesota, 8; Iowa, 1; Missouri, 1; *South*, Maryland, 1; Texas, 4.

**Children's outerwear, n.e.c.:** *New England*, Maine, 2; Vermont, 1; Rhode Island, 3; Connecticut, 5 (118); *East North Central*, Indiana, 4 (205); Michigan, 5 (305); Wisconsin, 4 (80); *West North Central*, Missouri, 6 (296); Kansas, 3 (93); *South Atlantic*, District of Columbia, 1; Virginia, 2; West Virginia, 2; Georgia, 1; Florida, 7 (87); *East South Central*, Tennessee, 3 (132); Alabama, 2; Mississippi, 1; *West South Central*, Arkansas, 1; Louisiana, 1; Texas, 17; *West*, Arizona, 1; Utah, 1; Washington, 2.

**Fur goods:** *New England*, Connecticut, 4 (51); *East North Central*, Ohio, 7; Indiana, 1; Michigan, 7 (138); Wisconsin, 8 (143); *West North Central*, Minnesota, 12 (199); Iowa, 1; Missouri, 4 (70); Nebraska, 2; *South Atlantic*, Maryland, 4 (87); *West*, Montana, 1; Washington, 5; Oregon, 1.

## CENSUS OF MANUFACTURES: 1947

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry						
	Women's and children's underwear	Corsets and allied garments	Millinery	Children's dresses	Children's coats	Children's outerwear, n.e.c.	Fur goods
<b>ALL ESTABLISHMENTS</b>							
Number of establishments.....	1,516	535	932	664	506	517	2,229
All employees:							
Number (average for the year).....	57,306	37,252	20,893	22,435	12,427	13,274	16,190
Salaries and wages, total.....	\$114,543	\$83,355	\$59,489	\$43,416	\$33,229	\$24,517	\$68,571
Production and related workers:							
Number (average for the year).....	51,997	31,898	18,076	20,347	10,990	12,021	13,745
Man-hours, total.....	thousands						
Wages, total.....	\$86,181	\$59,027	\$46,812	\$33,975	\$25,809	\$19,477	\$57,636
Value added by manufacture.....	\$227,236	\$189,738	\$100,723	\$76,469	\$58,365	\$43,431	\$122,921
<b>ESTABLISHMENTS REPORTING DETAILED STATISTICS</b>							
Number of establishments.....	1,340	464	793	563	506	398	1,883
All employees:							
Number (average for the year).....	55,889	36,769	19,807	21,606	12,427	12,084	15,105
Salaries and wages, total.....	\$112,395	\$82,427	\$56,535	\$38,794	\$33,229	\$22,973	\$65,009
Production and related workers:							
Number (average for the year).....	50,618	31,428	17,051	19,538	10,990	10,871	12,609
Man-hours, total.....	thousands						
Wages, total.....	\$84,004	\$58,258	\$44,150	\$29,387	\$25,809	\$18,047	\$54,180
Value added by manufacture.....	\$223,672	\$159,507	\$95,872	\$74,440	\$58,365	\$40,743	\$115,704
Number of employees for pay period ended nearest Oct. 15:							
All employees.....	61,288	39,273	21,519	23,368	14,960	13,326	17,908
Male.....	8,215	6,662	7,516	3,192	5,156	2,415	13,612
Female.....	53,073	32,611	14,003	20,176	9,804	10,911	4,296
Production and related workers.....	55,677	33,623	18,681	21,246	13,410	12,003	15,298
Male.....	5,360	4,093	6,167	2,113	4,205	1,785	11,971
Female.....	50,317	29,530	12,514	19,133	9,205	10,308	3,327
Force-account construction workers.....	35	2	2	2	2	1	2
Administrative, supervisory, sales, and all other.....	5,576	5,650	2,836	2,122	1,548	1,232	2,608
Male.....	2,820	2,568	1,347	1,079	951	629	1,641
Female.....	2,756	3,081	1,489	1,043	597	603	967
All employees, number by month:							
January.....	52,146	35,332	20,431	20,411	12,145	12,274	10,603
February.....	53,174	35,688	22,416	20,983	12,656	12,421	10,136
March.....	53,803	36,102	22,453	21,230	11,968	11,930	11,391
April.....	53,148	35,677	19,278	21,017	9,709	11,213	13,634
May.....	53,415	35,416	17,821	20,418	9,463	11,069	15,109
June.....	53,878	35,537	17,010	20,157	11,149	10,801	10,057
July.....	52,505	34,590	18,304	20,522	12,090	10,697	10,685
August.....	55,669	36,010	20,936	22,033	14,111	11,923	17,280
September.....	57,538	37,291	20,825	22,096	14,454	12,445	17,405
October.....	61,288	39,273	21,519	23,368	14,960	13,326	17,908
November.....	62,229	40,011	17,595	23,341	13,129	13,441	17,277
December.....	61,410	40,282	18,705	22,883	13,198	13,595	16,884
Cost of materials, fuel, electricity, and contract work.....	\$341,758	\$122,311	\$72,469	\$96,082	\$76,845	\$40,400	\$222,559
Materials, parts, containers, and supplies.....	291,834	104,764	70,216	72,597	58,570	30,420	217,790
Fuels, total.....	466	247	157	117	73	51	28
Bituminous coal.....	101	99	26	35	2	5	5
Anthracite.....	255	16	6	24	6		
Coke.....	1						
Fuel oils.....	85	104	35	29	35	21	15
Gas.....	21	20	60	20	20	10	7
Other fuels.....	3	8	30	9	1	4	1
Purchased electric energy.....	980	555	576	361	291	240	515
Contract and commission work.....	48,978	16,745	1,520	23,007	17,911	6,743	4,220
Value of inventories:							
Beginning of year, total.....	\$47,098	\$37,031	\$11,059	\$17,421	\$14,532	\$12,118	\$43,452
Finished products.....	19,912	11,318	n.a.	6,665	n.a.	n.a.	n.a.
Materials, supplies, and work in process.....	27,186	25,713	n.a.	10,756	n.a.	n.a.	n.a.
End of year, total.....	60,230	43,360	11,110	22,372	14,800	13,743	48,770
Finished products.....	28,888	16,279	n.a.	7,985	n.a.	n.a.	n.a.
Materials, supplies, and work in process.....	34,344	28,080	n.a.	14,387	n.a.	n.a.	n.a.
Expenditures for plant and equipment:							
New plant and equipment.....	\$5,701	\$4,733	\$1,019	\$1,382	\$803	\$1,188	\$559
Construction and major alteration of fixed plants.....	1,305	1,276	168	161	321	384	104
Buildings.....	1,050	1,101	51	131	302	306	87
Other construction.....	255	85	117	30	19	78	17
Machinery and equipment.....	4,396	3,457	851	1,221	542	804	455
Production machinery and equipment.....	3,823	2,799	507	1,036	440	671	309
Other machinery and equipment.....	573	658	344	185	93	133	146
Used plant and equipment, and land.....	324	135	330	152	19	74	176
Number of highway-type motor vehicles owned or leased:							
Trucks.....	69	50	18	15	11	15	47
By manufacturer's rated capacity:							
Under 1 1/2 tons.....	37	16	14	9	9	6	41
Over 1 1/2 tons and less than 3 1/2 tons.....	19	19	4	5	2	6	5
3 1/2 tons and less than 5 tons.....	10	12				3	1
5 tons and over.....	1	3					
By body type:							
Van.....	15	13	6	1	1	3	3
Stake or platform.....	12	5	1				
Panel or light delivery.....	30	19	9	10	1		38
All other trucks.....	12	13	2	4	5		6
Truck tractors.....	2	1		1			
Trailers and semitrailers.....	2	1					

n.a.—Not available.

1 Omitted because reporting of man-hours worked included unusual number of estimates. See text on this group of industries.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Women's and children's underwear:</b>											
Number of establishments.....	1,516	<sup>1</sup> 331	240	276	350	190	100	26	3		
Number of employees (average for the year).....	57,306	710	1,655	3,893	11,158	13,012	15,585	9,139	2,184		
Value added by manufacture.....	\$227,236	\$7,219	\$13,172	\$17,285	\$41,711	\$49,768	\$59,964	\$32,112	\$6,005		
<b>Corsets and allied garments:</b>											
Number of establishments.....	535	<sup>2</sup> 73	63	85	133	92	60	18	9	<sup>d</sup> 2	
Number of employees (average for the year).....	37,252	162	429	1,202	4,300	6,703	9,261	6,459	8,736	( <sup>d</sup> )	
Value added by manufacture.....	\$100,738	\$878	\$1,707	\$4,005	\$15,850	\$23,742	\$38,661	\$27,451	\$48,444	( <sup>d</sup> )	
<b>Millinery:</b>											
Number of establishments.....	932	<sup>3</sup> 198	209	194	228	79	19	5			
Number of employees (average for the year).....	20,893	478	1,434	2,702	6,984	5,299	2,593	1,403			
Value added by manufacture.....	\$100,723	\$2,827	\$0,977	\$12,593	\$33,304	\$28,686	\$12,159	\$4,177			
<b>Children's dresses:</b>											
Number of establishments.....	664	<sup>4</sup> 100	106	132	206	75	38	6	1		
Number of employees (average for the year).....	22,435	212	726	1,884	6,544	5,137	5,683	2,249	( <sup>d</sup> )		
Value added by manufacture.....	\$76,469	\$1,305	\$3,645	\$6,948	\$18,631	\$16,791	\$21,699	\$7,460	( <sup>d</sup> )		
<b>Children's coats:</b>											
Number of establishments.....	500	<sup>5</sup> 95	88	117	145	45	14	2			
Number of employees (average for the year).....	12,427	207	597	1,641	4,442	3,067	2,473	( <sup>d</sup> )			
Value added by manufacture.....	\$58,365	\$3,140	\$3,435	\$7,140	\$20,485	\$13,915	\$10,250	( <sup>d</sup> )			
<b>Children's outerwear, n.e.c.:</b>											
Number of establishments.....	517	<sup>6</sup> 125	87	121	106	57	18	2	1		
Number of employees (average for the year).....	13,274	302	596	1,729	3,122	3,882	3,643	( <sup>d</sup> )	( <sup>d</sup> )		
Value added by manufacture.....	\$43,431	\$2,004	\$2,342	\$6,359	\$8,060	\$11,854	\$11,912	( <sup>d</sup> )	( <sup>d</sup> )		
<b>Fur goods:</b>											
Number of establishments.....	2,229	<sup>7</sup> 1,200	523	331	145	22	2				
Number of employees (average for the year).....	16,190	2,425	3,484	4,406	4,214	1,661	( <sup>d</sup> )				
Value added by manufacture.....	\$122,821	\$20,718	\$26,454	\$33,668	\$29,814	\$12,167	( <sup>d</sup> )				

NOTE: Value added figures in smaller size groups may be distorted in relation to employment by reports of firms which have a large part of their manufacturing done by others on contract.

<sup>1</sup> Includes 25 establishments with no employees, accounting for \$1,508,000 value added.

<sup>2</sup> Includes 2 establishments with no employees, accounting for a small amount of value added.

<sup>3</sup> Includes 7 establishments with no employees, accounting for \$108,000 value added.

<sup>4</sup> Includes 4 establishments with no employees, accounting for \$28,000 value added.

<sup>5</sup> Includes 13 establishments with no employees, accounting for \$1,262,000 value added.

<sup>6</sup> Includes 5 establishments with no employees, accounting for \$22,000 value added.

<sup>7</sup> Includes 35 establishments with no employees, accounting for \$678,000 value added.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

2341 WOMEN'S AND CHILDREN'S UNDERWEAR INDUSTRY	Shipped by—		
	Women's and children's underwear industry	Other industries	All industries
Total shipments by the industry.....	\$573,484		
A. Women's, misses', children's, and infants' underwear and nightwear.....	505,591	\$140,708	\$646,659
Underwear and nightwear made from warp knit fabric all fibers.....	34,479	38,030	72,509
Underwear and nightwear made from circular knit silk, rayon, and other synthetic fabric.....	37,065	21,039	58,104
Underwear and nightwear made from circular knit cotton and/or wool.....	12,285	68,569	80,854
Nightwear, women's, misses', and juniors', made from woven fabric.....	128,896	2,845	131,741
Underwear, women's, misses', and juniors', made from woven fabric.....	212,742	4,364	217,106
Negligees and bedjackets.....	21,149	708	21,857
Nightwear, children's and infants', made from woven fabric.....	19,769	3,924	23,693
Underwear, children's and infants', made from woven fabric.....	13,731	523	14,254
Other women's and children's underwear and nightwear, not specified by kind.....	25,775	766	26,541
B. Secondary products.....	24,387		
Shirts (outerwear), knitted or from knit materials.....	✓ 4,549		
Men's and boys' mediumweight and lightweight circular knit cotton and/or wool underwear.....	✓ 2,942		
Men's, youths' and boys' shirts (except work shirts) and nightwear, made from woven fabric.....	1,032		
Women's and misses' blouses, waists, and shirts (including work types).....	2,611		
Children's and infants' dresses.....	1,240		
Children's and infants' outerwear (except dresses and coats), made from woven fabric.....	2,324	2369	
Breakfast coats, brunch coats, house coats, and lounging pajamas.....	1,580		
Other secondary products.....	7,209		
C. Miscellaneous receipts.....	43,206		
Contract and commission work.....	42,711		
Stitching and/or cutting.....	41,487		
Other contract and commission work.....	1,224		
Scrap and salable refuse.....	495		

  

2342 CORSETS AND ALLIED GARMENTS INDUSTRY	Shipped by—		
	Corsets and allied garments industry	Other industries	All industries
Total shipments by the industry.....	\$284,098		
A. Corsets and allied garments.....	250,862	\$8,391	\$265,263
Brassieres and bandeaux.....	113,828	2,117	115,945
Corsets, girdles, roll-ons, and garter belts.....	97,764	5,392	103,156
Combinations and maternity corsets and corset accessories.....	40,407	374	40,781
Other corsets and allied garments, unspecified.....	4,863	508	5,371
B. Secondary products.....	14,640		
C. Miscellaneous receipts.....	12,596		
Contract and commission work.....	12,307		
Other miscellaneous receipts.....	289		

  

2351 MILLINERY INDUSTRY	Shipped by—		
	Millinery industry	Other industries	All industries
Total shipments by the industry.....	\$177,495		
A. Millinery.....	173,330	\$3,187	\$176,517
B. Secondary products.....	2,276		
C. Miscellaneous receipts.....	1,889		
Contract and commission work.....	1,854		
Other miscellaneous receipts.....	35		

  

2361 CHILDREN'S DRESSES INDUSTRY	Shipped by—		
	Children's dresses industry	Other industries	All industries
Total shipments by the industry.....	\$174,863		
A. Children's and infants' dresses and blouses.....	142,935	\$13,358	\$156,293
B. Secondary products.....	10,368		
Children's and infants' coats.....	1,419		
Other children's and infants' outerwear.....	5,883	2369	
All other secondary products.....	3,066		
C. Miscellaneous receipts.....	21,590		
Contract and commission work.....	21,393		
Other miscellaneous receipts.....	167		

  

2363 CHILDREN'S COATS INDUSTRY	Shipped by—		
	Children's coats industry	Other industries	All industries
Total shipments by the industry.....	\$135,210		
A. Children's and infants' coats.....	109,260	\$10,014	\$125,280
B. Secondary products.....	12,222		
Children's and infants' dresses.....	3,024		
Other children's and infants' outerwear, n.e.c.....	3,410	2369	
Other women's and misses' outerwear, n.e.c.....	870	2369	
Other secondary products.....	4,912		
C. Miscellaneous receipts.....	13,722		
Contract and commission work.....	13,604		
Other miscellaneous receipts.....	118		

  

2369 CHILDREN'S OUTERWEAR, N.E.C., INDUSTRY	Shipped by—		
	Children's outerwear, n.e.c., industry	Other industries	All industries
Total shipments by the industry.....	\$92,745		
A. Children's and infants' outerwear, n.e.c.....	63,546	\$20,350	\$92,005
B. Secondary products.....	18,626		
Men's and women's outerwear, except sweaters, shirts and swimwear, knitted or from knitted material, n.e.c.....	✓ 3,380		
Other men's, youths', and boys' clothing, n.e.c.....	2,004		
Other men's, youths', and boys' shirts (except work shirts), and nightwear.....	1,257		
Nightwear, children's and infants', made from woven fabric.....	1,416		
Children's and infants' dresses.....	1,009		
Children's and infants' coats.....	3,823		
Other secondary products.....	4,530		
C. Miscellaneous receipts.....	10,874		
Contract and commission work.....	10,537		
Other miscellaneous receipts.....	37		

  

2371 FUR GOODS INDUSTRY	Shipped by—		
	Fur goods industry	Other industries	All industries
Total shipments by the industry.....	\$357,013		
A. Fur goods.....	343,286	\$92	\$343,378
Fur coats, capes, jackets, and neckpieces.....	279,018		279,018
Other fur goods, n.e.c.....	40,837		40,837
Fur goods, not specified by kind.....	22,531	92	22,623
B. Secondary products.....	1,523		
C. Miscellaneous receipts.....	12,204		
Contract and commission work.....	4,051		
Repair and remodeling.....	4,870		
Scrap and salable refuse.....	1,700		
Nonmanufacturing activities.....	1,511		

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars; quantity figures in thousands of dozens]

PRODUCT	1947		1939	
	Garments cut		Garments made	
	Quantity	Value	Quantity	Value
Women's, misses', children's, and infants' underwear and nightwear, total		\$646, 659		n.a.
Underwear and nightwear made from warp knit fabrics, all fibers	7, 666	72, 509	n.a.	n.a.
Women's and misses' vests, panties, step-ins, and bloomers	5, 453	36, 528	2, 004	\$9, 058
Women's and misses' slips	757	16, 177		
Children's and infants' underwear	837	3, 298	314	3, 302
Other garments made from warp knit fabrics, except women's and misses' nightwear	24	227		
Women's and misses' nightwear, including bedjackets and lounging pajamas	595	16, 279	(1)	(1)
Underwear and nightwear made from circular knit silk, rayon, and other synthetic fibers	10, 916	58, 104	n.a.	n.a.
Women's and misses' vests, panties, step-ins, and bloomers	8, 599	38, 415	14, 219	28, 320
Women's and misses' slips	384	4, 649	199	1, 651
Women's and misses' nightwear, including bedjackets and lounging pajamas	367	8, 524		
Children's and infants' nightwear	9	121	(1)	(1)
Children's and infants' underwear	1, 330	4, 754		
Other garments made from circular knit silk, rayon, and other synthetic fabrics	227	1, 641	360	1, 728
Women's, misses', children's, and infants' circular knit cotton and/or wool underwear and nightwear	17, 366	80, 854	n.a.	n.a.
Women's heavyweight and lightweight union suits	529	5, 727		
Children's heavyweight union suits (5½ lbs. and over)	170	1, 233	1, 530	6, 255
Children's lightweight union suits (under 5½ lbs.)	127	878		
Children's waist suits	255	1, 732	n.a.	n.a.
Women's and misses' vests, panties, step-ins, and bloomers, tuckstitch	2, 104	10, 404	1, 173	2, 822
Women's and misses' vests, panties, step-ins, bloomers, other than tuckstitch	2, 299	10, 555	(2)	(2)
Children's vests, panties, and bloomers	3, 824	11, 972	n.a.	n.a.
Infants' shirts and bands	3, 942	13, 429	n.a.	n.a.
Infants' panties	2, 736	7, 203	n.a.	n.a.
Adults' and children's nightwear, including lounging pajamas	978	14, 386	(1)	(1)
Infants' nightwear	402	3, 335		
Women's, misses' and juniors' nightwear made from woven fabric	4, 342	131, 741	5, 854	44, 836
Nightgowns	3, 005	90, 174	n.a.	n.a.
Sleeping pajamas	1, 337	41, 567	n.a.	n.a.
Women's, misses', and juniors' underwear made from woven fabric	9, 693	217, 106	11, 725	70, 946
Petticoats and half-slips	376	10, 257	8, 945	62, 004
Slips and gortrudes	9, 317	206, 849		
Negligees and bedjackets made from woven fabric	354	21, 857	n.a.	n.a.
Negligees	167	15, 321	426	9, 177
Bedjackets	187	6, 536	n.a.	n.a.
Children's and infants' nightwear made from woven fabric	2, 254	23, 693	n.a.	n.a.
Nightgowns:				
Girls' and teen-age girls' (sizes 8-16)	44	857		
Children's (sizes 2-8)	95	1, 191		
Infants' (sizes 0-1)	785	3, 884	(1)	(1)
Sleeping pajamas:				
Girls' and teen-age girls' (sizes 8-16)	303	5, 279		
Children's (sizes 2-8)	762	9, 049		
Toddler's (sizes 1-4)	265	3, 433		
Children's and infants' underwear made from woven fabric	2, 634	14, 254	n.a.	n.a.
Slips and gortrudes	1, 391	10, 099		
Teen-age girls' and girls' shoulder strap and gortrude style slips	1, 131	9, 312	(1)	(1)
Toddler's and infants' (sizes 0-3)	260	1, 387		
Girls' panties and bloomers (sizes 2-12)	1, 243	3, 555		
Other women's, misses', children's, and infants' underwear and nightwear		26, 541		n.a.

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Quantity	Value
Corsets and allied garments, total		\$265, 233		n.a.
Brassieres and bandeaux	9, 408	115, 945		
Corsets, girdles, roll-ons, and garter belts	3, 730	103, 156		
Corsets (back-laced and front-laced)	309	14, 559	n.a.	\$62, 204
Girdles (front-clasp, side-hooked, and zipper)	1, 453	57, 066		
Roll-ons	1, 103	24, 578		
Garter belts	885	6, 953		
Combinations and maternity corsets and corset accessories		40, 781		n.a.
Combinations and one-piece garments	398	25, 314	n.a.	20, 482
Surgical and maternity corsets and combinations	167	11, 472	n.a.	n.a.
Corset accessories (clasp, stays, etc.)		3, 995		1, 732
Other corsets and allied garments, unspecified		5, 371		n.a.
Millinery		176, 517		105, 738

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

[Money figures in thousands of dollars; quantity figures in thousands of units]

PRODUCT	1947 <sup>1</sup>		PRODUCT	1947 <sup>1</sup>	
	Quantity cut	Value		Quantity cut	Value
<b>Children's dresses and blouses, total</b> .....		\$156,293	<b>Children's and infants' coats—Continued</b>		
Dresses.....	5,486	134,082	Jackets.....	73	\$2,956
Girls' and teen-age girls' (sizes 7-16).....	2,008	64,865	Girls', chubbies' and teen-age girls (sizes 7-16).....	27	1,650
Children's (sizes 2-6).....	1,681	39,949	Children's jackets (sizes 3-6x).....	46	1,306
Toddlers' and infants' (sizes 6 months to 3 yrs.).....	1,797	29,268	Ski and snow pants and leggings.....	79	3,748
Blouses.....	854	15,312	Girls' and teen-age girls' (sizes 7-16).....	37	1,807
Girls' and teen-age girls' (sizes 7-16).....	506	9,604	Children's (sizes 2-6x).....	29	1,382
Girls' (sizes 1-6).....	348	5,708	Toddlers' (sizes 1-4 yrs.).....	13	559
Dresses and blouses, quantity and size not specified.....		6,899	Skirts.....	500	18,002
<b>Children's and infants' coats, total</b> .....		128,280	Girls' and teen-age girls' (sizes 7-16).....	405	13,142
Coat and legging sets.....	240	26,347	Children's (sizes 2-6x).....	155	4,193
Girls', chubbies', and teen-age girls' (sizes 7-16).....	39	4,912	Toddlers' (sizes 1-4 yrs.).....	30	667
Children's (sizes 3-6x for girls; 2-8 for boys).....	99	12,506	Suits (other than ski and snow suits).....	108	7,601
Toddlers' and infants' (sizes 6 mos. to 4 yrs.).....	102	8,929	Girls', chubbies', and teen-age girls' (sizes 7-16).....	71	5,571
Coats.....	476	46,291	Girls' (sizes 6x and under).....	37	2,030
Girls', chubbies', and teen-age girls (sizes 7-16).....	226	26,825	Other children's and infants' coats, etc.		1,179
Children's (sizes 2-6x for girls; 2-8 for boys).....	136	11,754	<b>Children's and infants' outerwear, not elsewhere classified, total</b> .....		\$2,905
Toddlers' and infants' (sizes 6 mos. to 4 yrs.).....	114	7,712	Buntings.....	52	1,476
Ski and snow suits.....	207	19,156	Creepers, rompers, baby boys' wash suits (0 mos. to 2 yrs.).....	209	4,895
One-piece:			Overalls, coveralls, playsuits, sunsuits, short overalls, and shorts.....	3,278	52,704
Children's (sizes 2-6x).....	28	2,447	Children's, girls', teen-age girls'.....	2,369	38,319
Toddlers' and infants' (sizes 6 mos. to 4 yrs.).....	69	5,839	Toddlers' and infants'.....	919	14,385
Two-piece:			Slacks.....	303	6,027
Girls' and teen-age girls'.....	33	3,411	Girls' and teen-age girls' (sizes 7-16).....	201	4,064
Children's (sizes 2-6x).....	68	6,582	Children's (sizes 2-6x).....	102	1,963
Toddlers' (sizes 1-4 yrs.).....	9	877	Slack suits (children's, girls', and teen-age girls').....	113	3,590
			Woven bathing suits (girls', children's, and infants').....	109	2,301
			Boys' wash suits, toddlers (sizes 1-4).....	320	5,362
			Other children's and infants' outerwear.....		16,581

PRODUCT	1947		1939	
	Shipments and interplant transfers (value f.o.b. plant)	Production		Production
		Quantity	Value	
<b>Fur goods, capes, jackets, and neckpieces</b> .....	\$343,378		\$342,555	\$160,149
Fur coats, capes, jackets, and neckpieces.....	279,918		270,377	124,850
Fur coats and capes—32 in. or more in length.....	232,051	1,245	232,055	101,907
Fur jackets, coats and capes—less than 32 in. in length.....	28,759	137	28,722	18,368
Fur neckpieces (including scarfs, ascots, boas, etc.).....	18,508	520	18,600	4,575
Other fur goods, not elsewhere classified.....	40,837		40,567	35,299
All other fur wearing apparel.....	1,884		1,908	3,105
Fur trimmings (including collars) made for sale.....	30,847		30,597	
Fur plates.....	4,908		4,908	
Other fur products (including reconditioning of fur coats).....	3,198		3,154	
Fur goods, not specified by kind.....	22,623		22,611	n.a.

n.a.—Not available.

<sup>1</sup> In 1939 knit fabric sleeping garments, both warp and circular knit, regardless of fiber content, were shown together in a single figure; quantity produced amounted to 762,000 dozen valued at \$5,576,000.<sup>2</sup> Women's and misses' cotton and wool vests, panties, step-ins, bloomers, slips, and petticoats are included in the figures for circular knit rayon and silk items in 1939.<sup>3</sup> Includes \$1.3 million of men's underwear and nightwear. A small amount of men's garments is also included in "Other garments made from warp knit fabrics."<sup>4</sup> Children's and infants' nightwear were included in the figures for women's, misses', and juniors' nightwear made from woven fabrics in 1939.<sup>5</sup> Children's and infants' slips and garterbelts were included in the figures for women's, misses', and juniors' woven fabric underwear in 1939.<sup>6</sup> This figure is believed to include some cut-and-sew knit fabric underwear which was incorrectly reported under the heading of woven fabric underwear and nightwear.<sup>7</sup> No comparable 1939 figures on children's and infants' outerwear are available with the exception of children's and infants' dresses which accounted for 3,244,000 dozen valued at \$26,954,000 and children's and infants' coats which were valued at \$21,148,000 in 1939.<sup>8</sup> Children's and infants' headwear accounts for about \$2.0 million of this total; children's and infants' knit outerwear shirts for about \$4.0 million; children's and infants' knit sweaters and saques, for about \$1.5 million; and the remainder is distributed among such items as christening sets, bibs, gym suits, etc. Total figures for children's and infants' knit outerwear may be found under "Knitting mills."<sup>9</sup> The production of fur capes, valued at \$1,558,000, was included in the figure for all other fur wearing apparel for 1939.



## MISCELLANEOUS APPAREL AND ACCESSORIES

This report shows the 1947 Census of Manufactures statistics for the establishments engaged primarily in the manufacture of miscellaneous apparel and accessories. These establishments have been classified in nine industries described separately below. The meaning of the terms used other than the industrial classification of each plant has been given in *General Explanations*. There are, however, a few generalizations which particularly apply to these industries.

*Number of garments cut.*—In the 1939 Census of Manufactures and previous censuses, the basis for determining the number of garments produced was the number stitched. Cuttings have been used in the 1947 census as experience has shown that there is less likely to be duplication in cuttings figures than in stitching figures. A garment may be stitched in more than one plant, but it is almost universally true that all pieces of a garment are cut at one time and in the same factory. In addition, the individual manufacturers usually maintain cuttings records while they may or may not keep stitching records. Cutting has been used successfully as the method of measuring production in the Census Bureau's "Facts for Industry" series on apparel.

Value figures for garments or class of garments by States may be slightly affected by the change to a cutting basis. This is particularly true in the case of the State of New York. It is the custom of many New York City manufacturers to cut the garments and then transfer them to neighboring States for stitching. Other cities in which this is particularly prevalent are Philadelphia, Boston, and Baltimore. In ascribing the value to where the garment is cut, a closer relationship is maintained between the value of products and the State in which the garment is merchandised. Because more workers are involved in the stitching process, previous censuses tended to place the value of product where the greatest number of production workers were employed.

*Inside and Contract Operations.*—Within these industries, as in others producing apparel, there are two over-all types of operation. The first major type is the inside shop. In this type of operation, the establishment owning the materials, cuts the materials and stitches the garments in one shop. The second is the contract operation, in which the establishment owning the materials cuts the garment and then sends out the pieces for stitching in another establishment. In the tables, figures for inside and contracting establishments have been combined. However, the establishment owning the materials reports the cost of stitching as "Cost of Contract and Commission Work" while the contractor reports his earnings as "Contract Receipts." Each of these amounts is shown separately. In some cases, payments between cutting and stitching plants of the same firm have been treated as contract work. This somewhat inflates the amount of contract payments and receipts as they are usually described in the trade, which thinks of contractors in terms of independently owned establishments. Also included are a few establishments which hire no production workers but which sell garments made from their own materials although entirely processed by establishments owned by others; technically, these are not manufacturing establishments, but it was necessary to include them in order to have complete figures on "Cost of Materials" and "Value of Products." Such establishments were also included in earlier years.

*Value Added in the Apparel Industries.*—Starting with the 1937 Census of Manufactures and through the present census, "Cost of Contract and Commission Work" has been subtracted from the "Value of Product" as one of the elements of "Cost of Materials" in the determining of "Value Added" (for a definition of this term see *General Explanations*). In the 1935 Census of Manufactures, "Cost of Contract Work" was subtracted only if it equalled 10 percent or more of the "Combined Costs of Materials"; prior to that "Cost of Contract Work" was not subtracted in determining the "Value Added" figure. The "Value Added" figures presented in this volume for earlier years have all been adjusted, however, to eliminate this duplication wherever "Contract Costs" figures were available.

*Current Surveys.*—Commodity data for intercensal years are published periodically for garments in this group of industries in the following "Facts for Industry" publications:

Series M67B—"Men's and Boys' Apparel."

Series M67D—"Gloves and Mittens."

Series M67H—"Women's, Misses', and Juniors' Outerwear."

Series M67K—"Children's and Infants' Outerwear."

*Fabric and Combination Dress Gloves* (*Full Standard Industrial Classification title and number: Dress and Semidress Gloves and Mittens [fabric, fabric and leather combined], 2381.*)—This industry comprises establishments primarily engaged in manufacturing dress and semidress gloves and mittens, cut and sewed from purchased woven or knit fabrics, or these materials combined with leather. Knitting mills primarily engaged in manufacturing gloves and mittens are classified in the "Knit Glove Mill" Industry, 2255; establishments primarily engaged in manufacturing leather gloves in the "Leather Gloves and Mittens" group, and those manufacturing rubber gloves in the "Rubber Industries, Not Elsewhere Classified" Industry, 3099.

Establishments which produce their own knit fabric and also purchase some of the knit fabric used are placed in the Knit Glove Industry, 2255. Establishments which process their gloves only partially, having the remainder of the work done outside of the continental limits of the United States (Puerto Rico, for example), are included in this industry if they meet the other qualifications. In such cases, "Cost of Contract Work" will reflect such activity, but no "Contract Receipts" will be shown.

*Fabric and Combination Work Gloves* (*Full Standard Industrial Classification title and number: Work Gloves and Mittens [fabric; fabric and leather combined] 2382.*)—This industry comprises establishments primarily engaged in manufacturing work gloves and mittens, cut and sewed from purchased woven or knit fabrics, or these materials combined with leather. Knitting mills primarily engaged in manufacturing gloves and mittens are classified in the "Knit Glove Mills" Industry, establishments primarily engaged in manufacturing leather gloves in the "Leather Gloves and Mittens" group, and those manufacturing rubber gloves in the "Rubber Industries, Not Elsewhere Classified."

*Suspenders and Garters* (*Full Standard Industrial Classification title and number: Suspenders, Garters, and Related Products, 2383.*)—This industry comprises establishments primarily engaged in manufacturing suspenders, arm bands, garters, hose supporters, and related products. Establishments primarily engaged in manufacturing corsets and allied garments are classified in the "Corsets and Allied Garments" Industry, 2342.

**Robes and Dressing Gowns** (*Standard Industrial Classification No. 2384.*)—This industry comprises establishments primarily engaged in manufacturing men's and women's bathrobes, lounging robes, and dressing gowns. Establishments primarily making negligees were included in this industry in 1939, but 1939 figures have been retabulated to exclude them from the present publication.

**Waterproof Outer Garments** (*Full Standard Industrial Classification title and number: Raincoats and Other Waterproof Outer Garments, 2385.*)—This industry comprises establishments primarily engaged in manufacturing raincoats from purchased rubberized fabrics and other waterproof outer garments made from such material as pliofilm and cellophane. Establishments primarily engaged in manufacturing oiled fabric work garments are classified in "Men's, Youths', and Boys' Work, Sport, and Other Clothing, Not Elsewhere Classified" Industry, and those manufacturing rubber garments made from rubberized fabrics produced in the same establishment are classified in "Rubber Industries, Not Elsewhere Classified."

**Leather and Sheep-lined Clothing** (*Standard Industrial Classification No. 2386.*)—This industry comprises establishments primarily engaged in manufacturing leather and sheep-lined garments. Establishments primarily engaged in manu-

facturing leather gloves and mittens are classified in the "Leather Gloves and Mittens" group, and fur garments in the "Fur Goods" Industry, 2371.

**Belts** (*Standard Industrial Classification No. 2387.*)—This industry comprises establishments primarily engaged in manufacturing men's and women's apparel belts, regardless of material.

**Handkerchiefs** (*Standard Industrial Classification No. 2388.*)—This industry comprises establishments primarily engaged in manufacturing handkerchiefs, other than embroidered. Embroidered handkerchiefs are produced in the Schiffl-machine Embroideries Industry, 2397 and Embroideries, except Schiffl-machine, Industry 2398. Lace handkerchiefs are also produced in the Lace Goods Industry, 2292.

**Apparel, Not Elsewhere Classified** (*Standard Industrial Classification No. 2389.*)—This industry comprises establishments primarily engaged in manufacturing apparel, not elsewhere classified, such as academic caps and gowns, vestments, and theatrical costumes. Previously these establishments were classified in the Men's Apparel, Not Elsewhere Classified, and the Women's Apparel, Not Elsewhere Classified, Industries. Figures for 1939 presented here are based on retabulations made of the 1939 schedules.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work <sup>2</sup>	Value of products shipped <sup>3</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Fabric and combination dress gloves:</b>								
1947	130	5,136	\$8,378	4,769	\$9,998	\$13,256	\$15,805	\$23,393
1939	51	n.a.	n.a.	3,852	2,645	4,065	4,133	8,793
1937	22	n.a.	n.a.	1,680	1,061	1,673	1,517	3,190
<b>Fabric and combination work gloves:</b>								
1947	144	10,981	17,979	10,421	15,993	35,005	41,778	74,605
1939	94	9,438	6,642	8,901	5,093	10,530	11,027	22,457
1937	85	n.a.	n.a.	10,909	6,790	12,182	17,188	29,370
<b>Total for Fabric and combination dress gloves and Fabric and combination work gloves:</b>								
1947	274	16,117	26,357	15,190	22,991	48,261	57,583	102,993
1939	145	n.a.	n.a.	12,753	8,308	15,195	16,060	31,255
1937	107	13,104	8,571	12,679	7,847	13,855	18,705	32,500
1935	115	8,415	5,138	8,048	4,488	8,607	10,333	18,040
1933	91	8,875	3,936	8,586	3,547	7,200	8,743	16,012
1931	106	n.a.	n.a.	7,101	3,319	5,027	8,012	14,539
1929	125	9,861	6,927	9,279	5,914	10,594	19,230	29,883
1927	131	10,752	7,626	10,296	6,670	12,810	17,392	30,202
1925	139	n.a.	n.a.	9,061	5,709	11,555	17,977	29,532
1923	129	9,379	6,412	8,864	5,266	9,834	18,202	23,126
1921	128	6,099	4,106	5,758	3,294	5,022	10,191	15,213
1919	132	9,613	6,092	8,986	4,855	12,128	16,002	28,220
<b>Suspenders and garters:</b>								
1947	64	1,685	3,641	1,408	2,417	6,774	7,789	14,563
1939	66	3,202	3,153	2,558	1,950	6,505	8,018	15,483
1937	64	3,246	2,924	2,903	2,193	6,378	8,060	15,038
1935	74	3,165	2,831	2,710	1,950	6,081	8,578	14,050
1933	62	3,003	2,395	2,617	1,827	4,631	8,150	12,781
1931	71	n.a.	n.a.	3,257	2,443	7,170	9,095	17,165
1929	91	4,880	5,410	4,341	3,071	12,597	17,906	30,473
1927	91	4,827	5,736	4,061	3,520	10,725	16,280	26,985
1925	93	4,585	4,811	3,835	3,072	11,094	16,500	27,504
1923	100	4,268	4,761	3,458	2,892	10,303	13,934	24,297
<b>Robes and dressing gowns:</b>								
1947	376	10,884	23,353	9,803	17,630	42,563	60,461	103,024
1939	190	n.a.	n.a.	5,774	4,303	11,740	20,054	31,794
<b>Waterproof outer garments:</b>								
1947	247	8,283	19,561	7,339	14,991	31,975	45,045	77,020
1939	81	n.a.	n.a.	2,412	1,934	4,341	7,204	11,605
1937	61	n.a.	n.a.	2,243	1,707	4,096	5,908	10,004

See footnotes at end of table.

# MISCELLANEOUS APPAREL AND ACCESSORIES

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TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work <sup>2</sup>	Value of products shipped <sup>3</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Leather and sheep-lined clothing:</b>								
1947	126	4,335	\$10,678	3,816	\$8,041	\$18,798	\$22,106	\$40,904
1939	97	5,365	5,878	4,672	4,578	8,378	13,766	22,142
1937 <sup>10</sup>	78	4,514	4,615	4,075	3,720	6,574	14,399	20,973
<b>Belts:</b>								
1947	396	9,102	22,016	7,573	15,889	38,037	30,945	68,982
1939	245	5,160	5,800	4,222	4,067	9,176	9,900	19,076
1937 <sup>10</sup>	119	n.a.	n.a.	3,435	3,294	8,332	8,374	16,706
<b>Handkerchiefs:</b>								
1947	159	4,583	9,054	4,078	6,303	20,689	32,417	53,106
1939	80	5,435	4,574	4,839	3,320	7,602	13,999	21,601
1937	74	5,308	3,787	4,997	3,134	6,116	13,604	19,720
1935	89	5,268	4,106	4,889	3,216	7,233	11,210	18,443
1933	74	4,959	2,834	4,701	2,442	5,446	9,478	14,924
1931	88	n.a.	n.a.	4,761	3,221	6,858	11,940	18,798
1929	105	6,465	5,808	6,014	4,636	11,265	18,289	29,554
1927 <sup>11</sup>	115	7,243	6,604	6,659	5,264	11,616	19,972	31,688
<b>Apparel, n.e.c.:</b>								
1947	85	2,180	4,859	1,765	3,316	7,922	5,364	13,286
1939 <sup>9</sup>	47	n.a.	n.a.	992	846	2,198	1,608	3,806

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture. For "fabric and combination dress gloves" and "fabric and combination work gloves," see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.

<sup>2</sup> Figures for years prior to 1935 do not include cost of contract work except in the case of "Handkerchiefs."

<sup>3</sup> The figures represent value of products made for all years except in the case of "Fabric and combination dress gloves" and "Fabric and combination work gloves" in 1947 and "Suspenders and garters" in 1929 where they represent value of products shipped. See GENERAL EXPLANATIONS—Value of products shipped.

<sup>4</sup> Revised.

<sup>5</sup> "Fabric and combination dress gloves" and "Fabric and combination work gloves" were formerly classified in one industry. The separate industry figures shown for 1937-47 have been combined in order that statistics can be shown for the period 1919-35.

<sup>6</sup> The figures for 1919-23 do not include data for gloves and mittens of fabric and leather combined.

<sup>7</sup> Prior to 1919, this industry was included in "Furnishing goods, men's." Separate figures are therefore not available for earlier years.

<sup>8</sup> Because of a change in classification the figures for "Suspenders and garters" for years prior to 1923 are not sufficiently comparable to be shown here.

<sup>9</sup> The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for prior years.

<sup>10</sup> No comparable data are available for years prior to 1937 because of numerous changes in industry classification.

<sup>11</sup> "Handkerchiefs" was not shown as a separate industry prior to 1927, but was included with the industries formerly designated "Millinery and lace goods" and "Furnishing goods, men's, n. e. c."

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Fabric and combination dress gloves, total<sup>1</sup></b>	130	5,136	\$8,378	4,769	8,783	\$6,998	\$13,256	\$15,805	\$28,388	\$546
Northeast	106	3,569	6,092	3,319	6,030	5,106	9,607	11,688	20,805	152
New York	96	3,068	5,541	2,836	5,166	4,598	8,953	10,992	19,590	134
Other divisions	24	1,567	2,286	1,450	2,753	1,892	3,649	4,117	7,683	494
<b>Fabric and combination work gloves, total<sup>1</sup></b>	144	10,981	17,979	10,421	18,982	15,963	35,005	41,778	74,605	1,013
Northeast	27	1,070	2,007	996	1,936	1,660	4,035	3,986	8,046	168
Pennsylvania	12	501	988	451	896	781	2,046	2,010	3,960	158
East North Central	73	4,938	7,956	4,705	7,947	7,163	14,961	18,535	32,326	448
Ohio	21	1,217	1,861	1,140	2,042	1,636	3,443	5,431	8,518	114
Illinois	21	1,936	3,096	1,875	2,946	2,585	6,213	7,057	13,015	152
Wisconsin	5	141	216	136	202	201	276	305	581	65
West North Central	18	1,794	2,772	1,677	3,250	2,338	5,748	6,169	11,636	123
Minnesota	4	230	417	214	382	307	687	764	1,483	8
Missouri	9	1,064	1,557	1,055	1,986	1,450	3,686	3,605	7,211	73
South	18	2,828	4,619	2,719	5,255	4,281	9,355	12,099	20,724	244
Pacific	8	342	625	324	593	521	906	989	1,873	30
Washington	3	163	278	156	290	237	432	473	919	23
<b>Suspenders and garters, total<sup>1</sup></b>	64	1,685	3,641	1,408	2,544	2,417	6,774	7,789	14,563	42
New England	14	430	845	362	674	518	1,237	1,527	2,764	5
Massachusetts	8	238	466	192	340	268	857	807	1,664	2
Middle Atlantic	39	948	2,080	793	1,423	1,559	4,208	5,137	9,345	31
Other divisions	11	307	716	253	447	340	1,329	1,125	2,454	6
<b>Robes and dressing gowns, total<sup>1</sup></b>	376	10,884	23,353	9,803	17,469	17,630	42,563	60,461	103,024	708
New England	23	976	1,652	922	1,529	1,437	2,661	2,217	4,878	14
Middle Atlantic	273	6,028	15,792	5,886	10,395	11,529	29,664	46,438	76,102	432
New York	240	6,204	12,964	4,571	8,180	9,327	25,773	41,503	67,276	335
New Jersey	20	634	1,140	476	777	837	1,486	1,520	3,006	8
Pennsylvania	13	890	1,688	839	1,438	1,365	2,405	3,415	5,820	89
East North Central	14	572	1,248	493	936	896	2,347	3,220	5,567	11
West North Central	11	529	1,022	466	639	748	1,654	2,434	4,088	40
South	34	1,017	2,350	1,531	2,665	1,983	3,977	3,865	7,842	113
Pacific	21	562	1,289	505	1,005	1,037	2,260	2,287	4,547	98

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Waterproof outer garments, total <sup>1</sup></b>	247	8,283	\$19,561	7,339	14,367	\$14,991	\$31,975	\$45,045	\$77,020	\$533
New England	36	1,505	3,586	1,385	2,409	2,776	5,168	6,533	11,701	86
Middle Atlantic	177	4,527	11,044	4,004	8,058	8,359	18,921	28,966	47,887	280
New York	156	3,551	9,291	3,060	6,233	6,754	16,557	28,747	45,304	235
New Jersey	14	649	1,213	627	1,168	1,114	1,692	86	1,778	26
Pennsylvania	7	327	540	317	657	401	672	133	805	25
North Central	22	1,577	3,758	1,432	2,909	2,864	6,149	8,051	14,200	90
Ohio	6	372	712	354	643	629	1,219	1,139	2,358	18
South Atlantic	4	233	374	221	377	330	520	306	826	18
Pacific	8	351	799	297	614	662	1,217	1,189	2,406	44
<b>Leather and sheep-lined clothing, total <sup>1</sup></b>	126	4,335	10,678	3,816	7,376	8,041	18,798	22,106	40,904	276
New England	21	626	1,621	507	1,034	1,201	2,972	3,130	6,102	27
Middle Atlantic	52	1,437	3,470	1,300	2,648	2,784	5,000	6,047	12,647	87
New York	33	617	1,445	543	995	1,310	2,937	2,826	5,403	49
East North Central	18	1,007	2,456	889	1,539	1,835	4,599	5,156	9,755	54
Illinois	11	259	649	227	425	533	1,184	1,727	2,911	19
West North Central	11	701	1,652	560	1,125	1,095	2,869	3,790	6,659	56
Minnesota	5	436	1,140	318	665	716	1,884	2,196	4,080	33
South and West	24	564	1,479	500	1,027	1,126	2,758	3,083	5,841	52
<b>Belts, total <sup>1</sup></b>	396	9,162	22,016	7,573	14,338	15,889	38,037	30,915	68,982	714
New England	18	315	615	290	596	485	1,315	985	2,300	12
Massachusetts	14	177	292	166	331	228	481	284	765	8
Middle Atlantic	295	7,214	17,927	5,852	10,783	12,850	30,555	24,892	55,447	467
New York	269	6,910	14,902	4,768	8,845	10,988	25,716	19,497	45,213	316
New Jersey	14	532	1,253	468	881	852	2,060	2,354	4,414	21
Pennsylvania	12	772	1,772	616	1,057	1,010	2,779	3,041	5,820	130
East North Central	34	811	1,972	690	1,340	1,376	3,371	2,964	6,335	138
Ohio	4	125	267	107	222	195	457	364	821	41
Illinois	25	520	1,298	448	882	921	2,339	2,141	4,480	44
West North Central	4	158	245	150	313	227	515	173	688	9
Missouri	4	158	245	150	313	227	515	173	688	9
South	14	395	682	349	830	497	1,145	1,245	2,390	68
West	31	269	575	242	476	454	1,136	986	1,822	20
California	28	251	547	225	443	420	1,095	918	1,713	20
<b>Handkerchiefs, total <sup>1</sup></b>	159	4,583	9,054	4,078	7,277	6,303	20,689	32,417	53,166	166
Northeast	142	3,779	7,595	3,350	6,029	5,263	17,979	27,901	45,880	124
New York	96	1,702	3,888	1,385	2,539	2,293	9,701	17,965	27,666	49
New Jersey	38	1,459	2,675	1,389	2,433	2,184	6,362	6,093	12,455	42
Other divisions	17	804	1,459	728	1,248	1,040	2,710	4,510	7,226	42
<b>Apparel, n. e. c., total <sup>1</sup></b>	85	2,180	4,859	1,765	3,519	3,316	7,922	5,364	13,286	143
New England	4	71	147	57	116	102	296	131	427	1
Middle Atlantic	57	1,238	2,907	1,066	2,090	2,104	4,723	3,531	8,254	42
New York	45	1,018	2,508	875	1,689	1,812	3,962	2,642	6,004	32
Pennsylvania	8	180	340	155	322	246	631	851	1,482	10
North Central	17	688	1,309	494	1,020	731	2,071	1,404	3,535	40
Illinois	6	246	445	208	477	320	905	840	1,751	13
South	3	39	52	38	82	49	130	70	200	2
Pacific	4	144	444	110	235	330	702	162	804	58

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

**Fabric and combination dress gloves:** *Northeast*, Vermont, 1; Massachusetts, 1; New Jersey, 1; Pennsylvania, 7 (358); *Other divisions*, Ohio, 1; Illinois, 4 (350); Michigan, 3 (250); Wisconsin, 7 (357); Minnesota, 2; Iowa, 3 (303); Missouri, 1; North Carolina, 2; Tennessee, 1.

**Fabric and combination work gloves:** *Northeast*, Maine, 1; Massachusetts, 1; Connecticut, 1; New York, 8 (312); New Jersey, 4 (134); *East North Central*, Indiana, 18 (1,369); Michigan, 8 (275); *West North Central*, Iowa, 3; Nebraska, 1; Kansas, 1; *South*, Virginia, 1; North Carolina, 4 (535); South Carolina, 1; Georgia, 2; Kentucky, 2; Tennessee, 3 (439); Mississippi, 1; Oklahoma, 1; Texas, 3 (237); *Pacific*, Oregon, 2; California, 3.

**Suspenders and garters:** *New England*, Rhode Island, 1; Connecticut, 5; *Middle Atlantic*, New York, 33 (786); New Jersey, 2; Pennsylvania, 4; *Other divisions*, Ohio, 2; Illinois, 2; Wisconsin, 1; Minnesota, 2; North Carolina, 1; California, 3 (9).

**Robes and dressing gowns:** *New England*, Maine, 1; Massachusetts, 15 (594); Connecticut, 7; *East North Central*, Ohio, 2; Illinois, 11 (408); Michigan, 1; *West North Central*, Iowa, 1; Missouri, 7 (381); Nebraska, 2; Kansas, 1; *South*, Delaware, 1; Maryland, 2; South Carolina, 1; Georgia, 23 (1,131); Florida, 2; Alabama, 2; Mississippi, 2; Texas, 1; *Pacific*, Washington, 2; California, 19.

**Waterproof outer garments:** *New England*, New Hampshire, 1; Massachusetts, 34; Connecticut, 1; *North Central*, Indiana, 1; Illinois, 6 (135); Michigan, 1; Wisconsin, 6 (498); Missouri, 2; *South Atlantic*, Maryland, 2; West Virginia, 1; Georgia, 1; *Pacific*, Washington, 1; Oregon, 1; California, 6.

**Leather and sheep-lined clothing:** *New England*, New Hampshire, 1; Massachusetts, 19; Connecticut, 1; *Middle Atlantic*, New Jersey, 12 (406); Pennsylvania, 7 (324); *East North Central*, Ohio, 1; Indiana, 1; Michigan, 1; Wisconsin, 4 (609); *West North Central*, Iowa, 1; Missouri, 5; *South and West*, Tennessee, 1; Colorado, 2; New Mexico, 1; Utah, 1; California, 19 (464).

**Belts:** *New England*, Rhode Island, 1; Connecticut, 3; *East North Central*, Michigan, 3; Wisconsin, 2; *South*, Maryland, 2; Georgia, 1; Kentucky, 1; Texas, 10 (346); *West*, Colorado, 1; Arizona, 1; Washington, 1.

**Handkerchiefs:** *Northeast*, New Hampshire, 1; Rhode Island, 3; Connecticut, 1; Pennsylvania, 3 (326); *Other divisions*, Illinois, 4 (243); North Carolina, 5 (127); South Carolina, 3 (344); Georgia, 1; Texas, 2; California, 2.

**Apparel, n. e. c.:** *New England*, Massachusetts, 4 (71); *Middle Atlantic*, New Jersey, 4 (40); *North Central*, Ohio, 3 (235); Indiana, 2; Wisconsin, 3 (70); Minnesota, 1; Missouri, 1; Nebraska, 1; *South*, Georgia, 1; Louisiana, 2; *Pacific*, Washington, 1; California, 3.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry								
	Fabric and combination dress gloves	Fabric and combination work gloves	Suspenders and garters	Robes and dressing gowns	Water-proof outer garments	Leather and sheep-lined clothing	Belts	Handkerchiefs	Apparel, n. e. c.
Number of establishments.....	130	144	64	376	247	126	396	159	85
All employees:									
Number (average for the year).....	5,136	10,981	1,685	10,884	8,283	4,335	9,162	4,583	2,180
Salaries and wages, total.....	\$8,378	\$17,979	\$3,641	\$23,353	\$19,561	\$10,678	\$22,016	\$9,054	\$4,859
Production and related workers:									
Number (average for the year).....	4,769	10,421	1,408	9,803	7,339	3,816	7,573	4,078	1,765
Man-hours, total.....	3,783	18,082	2,544	17,469	14,367	7,376	14,338	7,277	3,519
Wages, total.....	\$6,998	\$15,963	\$2,417	\$17,630	\$14,991	\$8,041	\$15,889	\$6,303	\$3,316
Value added by manufacture.....	\$13,256	\$35,005	\$6,774	\$42,563	\$31,975	\$18,798	\$38,037	\$20,689	\$7,922
Number of employees for pay period ended nearest Oct. 15:									
All employees.....	5,189	11,261	1,870	13,459	9,441	5,507	10,394	4,944	2,233
Male.....	658	2,167	426	2,845	2,672	1,888	4,342	778	687
Female.....	4,531	9,094	1,444	10,614	6,769	3,619	6,052	4,166	1,546
Production and related workers.....	4,819	10,704	1,596	12,284	8,428	4,918	8,627	4,416	1,793
Male.....	458	1,868	276	2,248	2,102	1,546	3,225	485	462
Female.....	4,361	8,836	1,320	10,036	6,326	3,372	5,402	3,931	1,331
Force-account construction workers.....									
Administrative, supervisory, sales, and all other.....	370	557	274	1,175	1,013	589	1,767	528	440
Male.....	200	299	150	597	570	342	1,117	293	225
Female.....	170	258	124	578	443	247	650	235	215
All employees, number by month:									
January.....	5,657	10,394	1,848	9,256	7,682	3,839	9,737	4,482	2,108
February.....	5,597	10,624	1,829	10,044	8,001	3,772	9,810	4,789	2,100
March.....	5,529	10,788	1,688	10,061	7,812	3,810	9,539	4,730	2,213
April.....	5,333	10,885	1,552	9,757	7,554	3,686	8,712	4,546	2,267
May.....	4,761	10,841	1,422	9,269	7,643	3,703	7,803	4,445	2,207
June.....	4,644	10,925	1,401	9,274	7,777	3,795	7,406	4,257	2,338
July.....	4,658	10,814	1,474	9,529	7,533	4,111	7,811	4,086	2,107
August.....	4,859	10,847	1,613	10,891	8,621	4,601	9,039	4,208	2,049
September.....	4,992	10,824	1,687	12,206	8,910	4,950	9,665	4,555	2,127
October.....	5,189	11,261	1,870	13,459	9,441	5,507	10,394	4,944	2,233
November.....	5,157	11,572	1,889	13,838	9,310	5,304	10,119	5,079	2,186
December.....	5,186	11,795	1,888	12,762	8,992	4,835	9,610	4,926	2,249
Cost of materials, fuel, electricity, and contract work.....	\$15,805	\$41,778	\$7,789	\$60,461	\$45,045	\$22,106	\$30,945	\$32,417	\$5,364
Materials, parts, containers, and supplies.....	11,935	41,467	7,722	47,735	34,983	21,482	29,671	26,065	5,142
Fuels, total.....	65	105	8	63	87	28	28	48	24
Bituminous coal.....	43	74	2	15	27	14	3	16	6
Anthracite.....	3	2		16	1	2	3	16	1
Coke.....		1							
Fuel oils.....	12	18	1	11	30	7	11	13	7
Gas.....	3	10	3	15	18	4	9	3	10
Other fuels.....	4		2	6	11	1	2		1
Purchased electric energy.....	84	159	21	228	179	78	181	81	43
Contract and commission work.....	3,721	47	38	12,435	9,796	518	1,055	6,223	155
Value of inventories:									
Beginning of year, total.....	\$3,375	\$8,742	\$2,339	\$12,412	\$9,302	\$7,685	\$9,599	\$7,448	\$2,175
Finished products.....	1,018	1,208	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	779
Materials, supplies, and work in process.....	2,357	7,534	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,396
End of year, total.....	4,149	12,777	2,053	10,749	9,612	8,444	9,256	11,037	2,998
Finished products.....	1,672	2,013	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,051
Materials, supplies, and work in process.....	2,477	10,764	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,947
Expenditures for plant and equipment:									
New plant and equipment.....	\$646	\$1,013	\$42	\$708	\$533	\$276	\$714	\$166	\$143
Construction and major alteration of fixed plants.....	292	425	3	83	56	49	198	21	54
Buildings.....	290	420	1	73	53	49	198	6	52
Other construction.....	2	5	2	10	3			15	2
Machinery and equipment.....	354	588	39	625	477	227	516	145	89
Production machinery and equipment.....	321	533	30	531	367	189	432	104	51
Other machinery and equipment.....	33	55	9	94	110	38	84	41	38
Used plant and equipment, and land.....	12	30	1	89	15	6	70	3	4
Number of highway-type motor vehicles owned or leased:									
Trucks.....	8	35		19	9	7	21	14	8
By manufacturer's rated capacity:									
Under 1½ tons.....	4	18		8	7	6	12	7	5
1½ tons.....	3	14		9			7	7	2
Over 1½ tons and less than 3½ tons.....	1	2		2	2	1			1
3½ tons and less than 5 tons.....							2		
5 tons and over.....		1							
By body type:									
Van.....		9		4	2		5	2	1
Stake or platform.....	1	13		3	1	1		4	
Panel or light delivery.....	6	10		9	5	5	15	6	3
All other trucks.....	1	3		3	1	1		2	4
Truck tractors.....									
Trailers and semitrailers.....		1					7		

n.a.—Not available.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Fabric and combination dress gloves:</b>											
Number of establishments.....	130	28	20	17	20	25	8	3			
Number of employees (average for the year).....	6,136	64	124	238	871	1,771	1,271	797			
Value added by manufacture.....	\$13,258	\$245	\$244	\$589	\$1,028	\$4,057	\$3,490	\$2,703			
<b>Fabric and combination work gloves:</b>											
Number of establishments.....	144	7	10	15	37	39	30	5	1		
Number of employees (average for the year).....	10,981	18	63	234	1,269	2,839	4,212	2,340	(d)		
Value added by manufacture.....	\$35,005	\$59	\$231	\$477	\$3,532	\$8,991	\$14,404	\$7,271	(d)		
<b>Suspenders and garters:</b>											
Number of establishments.....	64	22	17	7	8	5	5				
Number of employees (average for the year).....	1,685	52	110	102	225	378	818				
Value added by manufacture.....	\$6,774	\$230	\$434	\$411	\$793	\$1,612	\$3,885				
<b>Robes and dressing gowns:</b>											
Number of establishments.....	375	155	73	88	107	31	19	3			
Number of employees (average for the year).....	10,884	131	509	1,230	3,386	2,160	2,031	837			
Value added by manufacture.....	\$42,563	\$1,074	\$2,646	\$5,976	\$13,587	\$7,080	\$0,803	\$2,397			
<b>Waterproof outer garments:</b>											
Number of establishments.....	247	140	41	59	54	26	14	3	1		
Number of employees (average for the year).....	8,283	99	256	814	1,698	1,733	2,090	1,593	(d)		
Value added by manufacture.....	\$31,975	\$883	\$1,266	\$4,478	\$7,050	\$5,467	\$6,706	\$6,126	(d)		
<b>Leather and sheep-lined clothing:</b>											
Number of establishments.....	126	30	20	25	26	14	10	1			
Number of employees (average for the year).....	4,335	66	144	334	805	1,031	1,955	(d)			
Value added by manufacture.....	\$18,798	\$262	\$707	\$1,189	\$3,443	\$4,588	\$8,670	(d)			
<b>Belts:</b>											
Number of establishments.....	396	191	94	99	75	20	8	2		1	
Number of employees (average for the year).....	9,162	227	640	1,381	2,300	1,766	1,066	1,702		(d)	
Value added by manufacture.....	\$38,037	\$1,104	\$2,824	\$6,009	\$9,009	\$6,730	\$4,025	\$7,736		(d)	
<b>Handkerchiefs:</b>											
Number of establishments.....	159	134	31	36	35	12	9	2			
Number of employees (average for the year).....	4,583	64	204	513	1,074	803	1,926	(d)			
Value added by manufacture.....	\$20,689	\$973	\$1,526	\$2,943	\$3,548	\$2,841	\$3,953	(d)			
<b>Apparel, n. e. c.:</b>											
Number of establishments.....	85	20	14	21	19	6	5				
Number of employees (average for the year).....	2,180	49	100	294	617	349	771				
Value added by manufacture.....	\$7,922	\$218	\$381	\$986	\$2,110	\$1,601	\$2,020				

NOTE.—Value added figures in smaller size groups may be distorted in relation to employment by reports of firms which have a large part of their manufacturing work done by others on contract.

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

<sup>1</sup> Includes 2 establishments with no employees accounting for \$25,000 value added.

<sup>2</sup> Includes 4 establishments with no employees accounting for \$49,000 value added.

<sup>3</sup> Includes 3 establishments with no employees accounting for \$15,000 value added.

<sup>4</sup> Includes 4 establishments with no employees accounting for \$97,000 value added.



TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary) to the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

FABRIC AND COMBINATION DRESS GLOVES INDUSTRY	Shipped by—		
	Fabric and combination dress gloves industry	Other industries	All industries
Total shipments by the industry	\$28,388		
A. Dress and semidress gloves and mittens (fabric, fabric and leather combined, except seamless)	24,616	\$18,040	\$43,565
Dress and semidress gloves and mittens, woven fabric	24,010	18,940	520
Other dress and semidress gloves and mittens			43,030
B. Secondary products	1,248		
C. Contract and commission work	2,524		

  

FABRIC AND COMBINATION WORK GLOVES INDUSTRY	Shipped by—		
	Fabric and combination work gloves industry	Other industries	All industries
Total shipments by the industry	\$74,605		
A. Work gloves and mittens (fabric, fabric and leather combined)	69,550	\$2,016	\$72,466
Work gloves and mittens, leather and fabric combination	20,008	1,752	21,760
Work gloves and mittens, cotton flannel, except hot mill and husking	143,181	1,011	35,310
Work gloves, knitted or from knitted materials			8,882
Other textile work gloves and mittens, including hot mill and husking, n.e.c.	6,361	153	6,514
B. Secondary products	4,488		
Leather work gloves and mittens	2,671		
Other secondary products	1,817		
C. Miscellaneous receipts	567		
Contract and commission work	403		
Other	164		

  

SUSPENDERS AND GARTERS INDUSTRY	Shipped by—		
	Suspenders and garters industry	Other industries	All industries
Total shipments by the industry	\$14,563		
A. Suspenders, garters, and related products	10,757	\$9,067	\$19,824
B. Secondary products	3,701		
C. Contract and commission work	105		

  

ROBES AND DRESSING GOWNS INDUSTRY	Shipped by—		
	Robes and dressing gowns industry	Other industries	All industries
Total shipments by the industry	\$103,024		
A. Robes and dressing gowns	81,520	\$17,360	\$98,870
Robes and dressing gowns	60,308	7,713	68,111
Breakfast coats, brunch coats, house coats, and lounging pajamas	21,128	9,637	30,256
All other primary products			509
B. Secondary products	9,959		
C. Miscellaneous receipts	11,539		
Contract and commission work	11,214		
Other	325		

  

WATERPROOF OUTER GARMENTS INDUSTRY	Shipped by—		
	Waterproof outer garments industry	Other industries	All industries
Total shipments by the industry	\$77,020		
A. Raincoats and other waterproof outer garments	55,626	\$16,431	\$72,057
B. Secondary products	7,512		
Men's, youths', and boys' overcoats and topcoats	5,324		
Other men's, youths', and boys' clothing, n.e.c.	2,178		
All other	3,330		
C. Contract and commission work	10,562		

  

LEATHER AND SHEEP-LINED CLOTHING INDUSTRY	Shipped by—		
	Leather and sheep-lined clothing industry	Other industries	All industries
Total shipments by the industry	\$40,904		
A. Leather and sheep-lined clothing	30,797	\$7,660	\$38,457
B. Secondary products	8,438		
Other men's, youths', and boys' clothing, n.e.c.	7,272		
Other secondary products	1,166		
C. Contract and commission work	1,669		

  

BELTS INDUSTRY	Shipped by—		
	Belts industry	Other industries	All industries
Total shipments by the industry	\$68,982		
A. Belts	56,872	\$3,245	\$60,117
Men's, women's, and children's leather belts	37,633	2,348	39,981
Men's, women's, and children's belts other than leather	17,012	852	17,864
Other primary products	2,227	45	2,272
B. Secondary products	6,320		
Suspenders, garters, and related products	2,050		
Women's handbags	1,726		
All other secondary products	2,544		
C. Miscellaneous receipts	5,790		
Contract and commission work	5,769		
Other	21		

  

HANDKERCHIEFS INDUSTRY	Shipped by—		
	Handkerchiefs industry	Other industries	All industries
Total shipments by the industry	\$53,106		
A. Handkerchiefs	48,489	\$2,440	\$50,929
B. Secondary products	753		
C. Miscellaneous receipts	3,864		
Contract and commission work	3,754		
Other	110		

  

APPAREL, NOT ELSEWHERE CLASSIFIED, INDUSTRY	Shipped by—		
	Apparel, not elsewhere classified, industry	Other industries	All industries
Total shipments by the industry	\$13,286		
A. Apparel, not elsewhere classified	12,357	\$2,051	\$14,408
B. Secondary products	522		
C. Miscellaneous receipts (including contract work)	407		

<sup>1</sup> Combined to avoid disclosing figures for individual companies.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars, quantity figures in thousands of dozens]

PRODUCT	1947		1939		
	Total shipments and interplant transfers		Production	Production	
	Quantity	Value f.o.b. plant	Quantity	Quantity	Value
Dress, semidress, and work gloves, except leather, total	25,938	\$125,592	26,559	n.a.	n.a.
Dress and semidress gloves and mittens, total	5,727	53,126	5,966		
Seamless fingered (25 percent or more wool content)	1,102	9,561	1,136	792	\$3,561
Men's and boys'	307	3,105	331	124	690
Women's and misses': Seamless gloves and mittens (25 percent or more wool content)	795	6,456	805	3 668	3 2,871
Dress and semidress gloves and mittens, woven fabric	103	526	115	n.a.	n.a.
All other dress and semidress gloves and mittens	4,522	43,039	4,715	n.a.	n.a.
Work gloves and mittens	20,211	72,466	20,593	15,107	21,867
Work gloves and mittens, leather and fabric combination	2,660	21,760	2,677	2,790	8,699
Work gloves and mittens, cotton flannel, except hot mill and husking	12,330	35,310	12,638		
Work gloves, knitted or from knitted materials	3,547	8,882	3,649		
Fleece cotton jersey	2,299	6,285	2,404		
Light-weight circular knit	1,248	2,597	1,245	12,317	13,168
Other textile work gloves and mittens, including hot mill and husking, not elsewhere classified	1,674	6,514	1,629		

PRODUCT	1947 Production		1939 Production	
	Quantity	Net sales value f.o.b. plant	Quantity	Value
Suspenders, garters, and related products, total		\$19,824		\$13,117
Suspenders	1,535	11,503	2,177	7,454
Garters, men's and boys'	1,049	2,462	1,525	2,667
Garters and hose supporters, women's and children's	6,355	4,925	5,000	2,325
Other		934		671
Robes and dressing gowns, total		98,876		29,379
Robes and dressing gowns	1,179	68,111	597	13,837
Men's and boys'	309	22,941		
Women's and girls'	5 870	45,170	597	13,837
Breakfast coats, brunch coats, housecoats, and lounging pajamas	556	30,256	771	15,542
Breakfast coats, brunch coats, and housecoats	5 498	27,100		
Lounging pajamas	58	3,156	771	15,542
Robes and dressing gowns, not reported separately		509		

PRODUCT	1947 Production		1939 Production	
	Quantity	Net sales value f.o.b. plant	Quantity	Value
Leather and sheep-lined clothing, total		\$38,457		\$20,974
Men's and boys' sheep-lined, except leather coats and jackets	46	5,896		
Jackets	201	29,456		
Women's and children's leather coats and jackets	7	1,560	383	20,974
Other leather and sheep-lined clothing		1,539	n.a.	n.a.
Belts, total		60,117	n.a.	20,238
Belts, leather	6,464	30,981		n.a.
Men's and boys' leather belts	2,702	23,106		
Women's and children's leather belts	3,762	16,875		
Belts, other than leather	5,702	17,894	9,199	20,238
Men's and boys', other than leather belts	430	2,771		
Women's and children's, other than leather belts	5,260	15,093		
Other belts, not specified by kind		2,272		n.a.
Handkerchiefs, total	28,749	50,929	35,822	20,756
Men's and boys'	18,731	32,667		
Women's and girls'	10,018	18,262	35,822	20,756

PRODUCT	Net sales value of products cut from own materials		Value of production	
	1947		1939	
Raincoats, waterproof and water repellent, and other waterproof garments (except water-repellent jackets and wool coats)		\$72,067		n.a.
Men's and boys'		31,279		\$8,679
Cotton gabardine, twills, and poplins		14,766		
Plastic, resin-coated fabrics, and rubberized and rubber fabrics		10,870		8,679
Other fabrics		5,637		
Women's, misses', and children's		39,242		3,868
Plastic, resin-coated fabrics		4,384		
Rubberized and rubber		1,890		
Cotton gabardine, twills, and poplins		14,106		
Rayon		16,248		3,868
Plastic, resin-coated, and rubberized and rubber fabrics not specified		194		
Other fabrics		2,420		
Other waterproof garments		1,536		n.a.
Apparel not elsewhere classified		14,408		n.a.

n.a.—Not available.

<sup>1</sup> Withheld to avoid disclosing figures for individual companies.<sup>2</sup> Knit, fabric, and leather combined gloves are produced primarily in the fabric and leather combined dress and work glove industries and in the knit glove mill industry. The figures shown here are also shown in the knit goods group.<sup>3</sup> Figures on dress and semidress gloves and mittens as reported by type are not considered reliable enough to be presented separately. A distribution by type has been presented for 1947 in the current Facts for Industry Series M87D.<sup>4</sup> In 1939, women's and children's gloves and mittens were combined.<sup>5</sup> Quantity has been estimated for a small percent of the total shown.<sup>6</sup> Women's and girls' robes contain an unknown quantity and dollar value for breakfast coats which were reported as women's robes.<sup>7</sup> Does not include handkerchiefs made on Schiffli embroidery machines or on Swiss looms. See Schiffli-machine embroideries and Embroideries, except Schiffli-machine.

## MISCELLANEOUS FABRICATED TEXTILE PRODUCTS

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of various fabricated textile products, not elsewhere classified. These establishments have been classified in nine industries described separately below.

**Curtains and Draperies** (*Standard Industrial Classification No. 2391.*)—This industry comprises establishments primarily engaged in manufacturing curtains and draperies from purchased fabric. In prior years establishments primarily engaged in manufacturing bedspreads have likewise been included; such establishments are classified, for purposes of the 1947 census, under Housefurnishings, Not Elsewhere Classified. Data shown in table 1 for 1939 have been retabulated to conform to the 1947 industry classification.

**Housefurnishings, Not Elsewhere Classified** (*Full Standard Industrial Classification title and number: Housefurnishings (Except Curtains and Draperies), 2392.*)—This industry comprises establishments primarily engaged in manufacturing housefurnishings from fabric woven elsewhere. Important products of this industry include sheets, pillowcases, napkins, table cloths, comfortables, blankets, bedspreads, pillows, laundry bags, mops and dusters, and slip covers. Establishments primarily engaged in manufacturing curtains and draperies are classified in the Curtains and Draperies Industry.

Establishments engaged in manufacturing bedspreads from purchased fabrics have not previously been included in this industry. In the 1947 census, however, such establishments are included. Data shown for 1939 have been retabulated to include these plants.

**Textile Bags** (*Standard Industrial Classification No. 2393.*)—This industry comprises establishments primarily engaged in manufacturing cotton, burlap, and other textile bags from fabric woven elsewhere. Establishments engaged solely in reconditioning textile bags are not included, and the costs and receipts for reconditioning have been excluded from the reported operations of plants dealing in both new and reconditioned bags. The reconditioning of bags was included in the 1939 census, however.

**Canvas Products** (*Standard Industrial Classification No. 2394.*)—This industry comprises establishments primarily engaged in manufacturing awnings, tents, sails, canvas covers, tarpaulins, bags, and canopies from purchased canvas. Establishments primarily engaged in manufacturing canvas products for retail sale are included, insofar as they could be identified; but establishments which are primarily retailers of other than canvas products are excluded, even where such establishments also manufacture custom-made canvas products.

**Tucking, Pleating, and Hemstitching** (*Full Standard Industrial Classification title and number: Pleating, Stitching, and Tucking for the Trade, 2395.*)—This industry comprises establishments primarily engaged in pleating, hemstitching, tucking, quilting, and appliqueing, and making button holes for the trade. Establishments performing these operations for individual consumers are not included. Establishments primarily engaged in manufacturing trimmings and art needle work are classified in the Trimmings and Art Goods Industry.

Establishments of the kinds included in this industry were classified in the 1939 Census of Manufactures in the Trimmings, Stamped Art Goods, and Art Needlework Industry. The 1939 data shown below, however, have been retabulated to conform to the 1947 industry classification.

**Trimmings and Art Goods** (*Full Standard Industrial Classification title and number: Trimmings, Stamped Art Goods, and Art Needlework, 2396.*)—This industry comprises establishments primarily engaged in manufacturing apparel, automotive, and other trimmings, stamped art goods, and art needlework. Textile mills manufacturing these products are not included. Establishments of the kinds classified in the Tucking, Pleating, and Hemstitching Industry (see above) were included in this industry in the 1939 Census of Manufactures; 1939 data shown in table 1, however, have been retabulated, and are comparable to the 1947 figures.

**Schiffli-Machine Embroideries** (*Standard Industrial Classification No. 2397.*)—This industry comprises establishments primarily engaged in manufacturing Schiffli-machine embroideries, and burnt-out laces. These products are made in part in "family plants," which do not employ production or other workers; such establishments are generally excluded from the census totals.

**Embroideries, Except Schiffli-Machine** (*Standard Industrial Classification No. 2398.*)—This industry comprises establishments primarily engaged in manufacturing Swiss loom and other machine-made or hand-made embroideries, except Schiffli-machine embroideries. Establishments primarily engaged in making Schiffli embroideries are classified in the Schiffli-Machine Embroideries Industry.

**Fabricated Textile Products, Not Elsewhere Classified** (*Standard Industrial Classification No. 2399.*)—This industry comprises establishments primarily engaged in manufacturing fabricated textile products, not elsewhere classified, such as automobile seat covers, banners, flags, and pennants. Establishments primarily engaging in the sponging or shrinking of cloth for the trade, or in employing home workers for hand-knitting or hand-weaving of textile products, are also included in this industry.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year) <sup>4</sup>	Salaries and wages, total	Number (average for the year) <sup>6</sup>	Wages, total			
<b>Curtains and draperies:</b>								
1947	387	7,982	\$17,081	6,928	\$11,702	\$34,909	\$74,731	\$109,640
1939 <sup>3</sup>	327	n.a.	n.a.	7,091	5,310	13,663	32,825	46,478
<b>Housefurnishings, n.e.c.:</b>								
1947	1,233	40,220	78,790	36,384	63,053	156,420	347,645	504,005
1939 <sup>3</sup>	584	n.a.	n.a.	20,096	13,219	34,219	59,758	93,977
<b>Textile bags:</b>								
1947	233	13,884	28,363	12,160	21,046	66,320	289,025	356,245
1939	216	13,903	14,531	11,991	10,003	27,895	93,807	121,702
1937	186	13,449	13,161	12,075	9,749	26,276	103,725	130,001
1935	198	12,187	11,189	10,920	8,048	23,565	88,001	111,568
1933	169	11,757	9,526	10,543	6,977	22,578	69,537	92,115
1931	189	n.a.	n.a.	11,985	9,111	25,818	79,173	104,991
1929	202	13,475	14,379	11,823	9,645	25,901	144,275	170,176
1927	181	12,709	13,738	11,164	9,548	26,202	139,748	192,950
1925	162	12,933	13,075	11,404	9,332	24,980	150,102	175,082
1923	169	13,321	13,301	11,548	9,361	23,454	128,222	151,676
1921	169	11,786	11,444	10,324	8,032	16,014	99,438	115,452
1919	216	12,476	11,850	10,766	7,757	38,041	176,018	214,059
1914	138	10,314	5,307	9,358	3,789	12,028	67,021	79,049
1909	109	8,766	4,010	7,968	2,942	8,518	46,304	54,882
1904	79	6,254	2,430	5,722	1,829	6,041	30,758	37,399
1899	73	4,258	1,482	3,922	1,102	3,213	16,439	19,652
<b>Canvas products:</b>								
1947	902	10,569	24,667	8,639	17,429	41,424	49,420	90,844
1939	334	5,982	7,429	3,899	3,621	11,378	13,030	24,408
1937	367	6,067	7,622	4,732	4,844	12,818	17,506	30,324
1935	421	5,181	6,205	3,987	3,974	10,227	12,582	22,809
<b>Tucking, pleating, and hemstitching:</b>								
1947	531	5,929	12,421	5,532	11,035	21,339	3,898	25,237
1939 <sup>3</sup>	273	n.a.	n.a.	4,254	4,381	8,420	1,207	9,627
<b>Trimmings and art goods:</b>								
1947	787	15,007	33,924	13,120	25,547	65,092	64,890	129,982
1939 <sup>3</sup>	383	n.a.	n.a.	5,455	4,454	13,485	17,777	31,292
<b>Schiffli-machine embroideries:</b>								
1947	546	5,678	15,054	5,080	11,681	31,733	23,781	55,514
1939	398	4,176	4,317	3,760	3,248	7,993	6,129	14,122
1937	271	3,039	3,188	2,757	2,417	5,738	4,451	10,189
1935	308	2,640	2,815	2,360	2,162	5,355	4,263	9,618
1933	547	n.a.	n.a.	4,652	3,874	7,933	4,201	12,194
1931	329	n.a.	n.a.	2,473	2,786	6,562	4,341	10,903
1929	326	3,026	3,841	2,757	3,119	7,744	4,104	11,848
1927	412	3,628	4,923	3,276	4,041	9,051	6,206	15,347
<b>Embroideries, except Schiffli-machine:</b>								
1947	787	9,836	20,234	9,308	17,627	34,521	9,871	44,392
1939	411	5,260	4,581	4,797	3,828	7,613	2,204	9,907
1937	314	4,294	4,028	3,942	3,318	6,440	2,148	8,588
1935	351	3,737	3,652	3,351	2,991	6,619	2,173	7,792
1931	403	n.a.	n.a.	3,088	3,544	6,812	2,510	9,322
1929	487	4,316	5,866	3,865	4,749	9,822	3,617	13,439
1927	657	6,333	8,089	5,688	6,921	12,845	4,227	17,072
<b>Fabricated textile products, n.e.c.:</b>								
1947	838	18,526	42,866	16,060	31,381	80,708	112,098	193,466
1939 <sup>3</sup>	372	n.a.	n.a.	6,911	6,376	18,847	17,802	36,649

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>2</sup> For 1947 and 1929, value of products shipped; for all other years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>3</sup> The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for prior years.<sup>4</sup> For "Textile bags," cost of contract work is not included in the cost of materials figures for 1933 and prior years.<sup>5</sup> In 1935 and later years, the coverage of "Canvas products" was limited to establishments with products valued at \$20,000 or more. The figures for prior years are not sufficiently comparable with those for later years to be shown in this table because they include data for establishments with value of products between \$5,000 and \$20,000.<sup>6</sup> Figures for 1933 for "Schiffli-machine embroideries" include data for "Embroideries, except Schiffli-machine." No separate figures are available.<sup>7</sup> "Schiffli-machine embroideries" and "Embroideries, except Schiffli-machine" were formerly part of the discontinued industry "Millinery lace goods, n.e.c." Separate figures prior to 1927 are therefore not available.

# MISCELLANEOUS FABRICATED TEXTILE PRODUCTS

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TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Curtains and draperies, total <sup>1</sup></b>	397	7,982	\$17,081	6,928	13,354	\$11,702	\$34,909	\$74,731	\$109,640	\$748
New England.....	79	2,276	4,547	2,005	3,750	3,099	9,098	23,957	33,055	180
Massachusetts.....	66	1,951	3,868	1,721	3,190	2,584	7,602	17,261	24,863	158
Middle Atlantic.....	199	3,458	7,041	2,947	5,703	5,150	15,619	34,039	49,658	342
New York.....	170	2,532	5,828	2,140	4,204	3,966	11,613	26,774	38,387	204
New Jersey.....	8	434	810	376	639	573	2,346	3,994	6,340	77
Pennsylvania.....	21	492	1,003	431	860	611	1,660	3,271	4,931	61
<b>East North Central.....</b>	37	533	1,194	473	859	911	2,195	3,051	5,246	35
Illinois.....	24	383	825	338	601	683	1,596	1,765	3,361	31
West North Central.....	13	352	754	306	597	490	1,435	3,139	4,574	21
Missouri.....	7	277	600	255	466	367	1,177	2,610	3,787	21
South.....	18	412	775	364	811	529	1,863	4,503	6,366	57
Texas.....	7	166	325	147	195	195	728	1,835	2,563	28
West.....	51	951	2,170	833	1,634	1,553	4,609	6,042	10,741	113
California.....	42	820	1,851	723	1,422	1,383	4,194	5,236	9,430	101
<b>Housefurnishings, n.e.c., total <sup>1</sup></b>	1,233	40,220	78,790	36,384	69,594	63,053	156,420	347,645	504,065	5,001
New England.....	70	4,218	9,163	3,763	7,587	7,654	23,012	38,715	61,727	423
Maine.....	3	1,550	3,500	1,427	2,845	3,191	12,009	15,312	27,321	129
Massachusetts.....	54	2,058	4,416	1,789	3,640	3,479	7,549	15,396	22,944	278
Middle Atlantic.....	587	9,909	21,506	8,553	16,011	15,399	42,644	68,908	111,652	1,009
New York.....	451	6,484	15,270	5,480	10,461	10,505	30,588	49,007	79,595	541
New Jersey.....	84	1,218	2,461	1,084	2,074	1,877	4,863	5,470	10,333	208
Pennsylvania.....	72	2,207	3,775	1,989	3,476	3,017	7,193	14,431	21,624	260
<b>East North Central.....</b>	148	3,093	7,042	2,632	5,330	4,729	14,132	16,593	30,725	374
Ohio.....	28	550	1,134	439	849	724	3,164	2,431	5,595	86
Indiana.....	10	110	188	102	210	170	315	224	539	9
Illinois.....	90	2,031	4,787	1,752	3,580	3,255	8,967	11,488	20,455	212
Michigan.....	15	141	287	123	323	219	629	893	1,622	13
Wisconsin.....	5	261	646	216	368	361	1,057	1,567	2,614	54
<b>West North Central.....</b>	34	454	873	383	723	577	1,741	2,216	3,957	40
Missouri.....	21	286	577	233	436	375	1,025	1,443	2,468	21
South Atlantic.....	232	18,162	33,310	17,050	32,537	28,860	60,284	107,491	257,775	1,661
North Carolina.....	25	7,434	14,641	7,177	13,522	13,704	18,275	116,752	135,027	210
Georgia.....	161	5,513	8,694	5,130	9,519	7,361	19,674	24,233	43,907	818
<b>East South Central.....</b>	61	3,005	4,482	2,751	4,955	3,837	9,567	17,556	27,123	1,221
Tennessee.....	18	1,039	1,359	936	1,721	1,135	2,888	3,347	6,235	139
Alabama.....	25	1,557	2,581	1,452	2,500	2,278	5,363	12,832	18,195	1,045
West South Central.....	27	554	879	515	980	780	1,536	2,116	3,552	114
Texas.....	17	404	680	385	772	618	1,128	1,534	2,662	100
West.....	74	825	1,535	737	1,471	1,237	3,504	4,050	7,554	156
California.....	61	647	1,271	582	1,241	1,034	2,926	3,573	6,499	144
<b>Textile bags, total <sup>1</sup></b>	233	13,884	28,363	12,159	23,446	21,046	66,320	239,925	356,245	3,918
New England.....	23	200	549	259	523	436	2,182	4,373	6,555	151
Massachusetts.....	15	161	301	134	275	230	734	1,142	1,876	36
Middle Atlantic.....	71	2,209	4,846	1,925	3,719	3,647	10,077	50,612	60,689	327
New York.....	51	1,612	3,543	1,402	2,668	2,678	6,217	32,158	38,375	228
New Jersey.....	6	177	451	146	310	287	1,755	5,678	7,433	4
Pennsylvania.....	14	420	852	377	741	682	2,105	12,776	14,881	95
<b>East North Central.....</b>	34	1,460	3,144	1,282	2,357	2,317	9,711	27,978	37,689	235
Ohio.....	12	463	1,052	402	818	739	2,101	8,096	11,097	59
Illinois.....	12	408	953	360	671	687	5,517	8,610	14,127	125
West North Central.....	18	2,067	6,077	2,512	4,782	4,483	10,693	70,968	81,659	1,556
Minnesota.....	4	717	1,270	570	1,135	959	2,556	18,322	20,878	668
Missouri.....	10	1,781	3,738	1,547	2,833	2,740	5,722	38,591	44,313	793
<b>South Atlantic.....</b>	32	1,941	3,489	1,732	3,360	2,591	9,645	31,722	41,367	372
Maryland.....	5	120	324	98	194	161	615	2,296	2,011	4
Virginia.....	9	560	1,056	485	964	736	3,561	13,168	16,729	52
North Carolina.....	6	587	895	335	1,039	753	2,066	4,723	6,789	104
Georgia.....	6	547	1,003	502	941	796	2,943	10,221	13,164	121
<b>East South Central.....</b>	13	1,003	2,018	896	1,750	1,525	4,541	16,135	20,676	91
Tennessee.....	4	695	1,567	620	1,236	1,160	3,160	13,129	16,289	50
West South Central.....	25	2,680	4,820	2,394	4,668	3,637	12,210	59,189	71,399	1,026
Louisiana.....	9	1,098	1,876	991	1,767	1,460	3,591	24,345	27,935	343
Texas.....	16	1,582	2,944	1,403	2,896	2,177	8,619	34,844	43,463	683
West.....	17	1,325	3,420	1,159	2,282	2,410	7,261	28,950	36,211	180
California.....	10	713	1,973	623	1,225	1,355	4,496	17,660	22,156	87

See footnotes at end of table.

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TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Canvas products, total <sup>1</sup></b>	902	10,569	\$24,667	8,639	17,863	\$17,429	\$41,424	\$49,420	\$90,844	\$1,399
New England.....	103	696	1,589	590	1,250	1,222	2,150	3,356	5,506	57
Massachusetts.....	56	398	873	348	724	718	1,138	1,234	2,372	29
Connecticut.....	24	116	252	105	219	200	380	359	748	3
<b>Middle Atlantic.....</b>	247	2,173	5,491	1,793	3,675	4,027	8,723	13,174	21,897	130
New York.....	139	1,235	3,308	1,027	2,139	2,390	5,154	5,898	11,052	87
New Jersey.....	48	349	868	302	611	731	1,288	4,310	5,598	10
Pennsylvania.....	60	589	1,315	464	925	906	2,281	2,966	5,247	33
<b>East North Central.....</b>	212	3,113	7,174	2,490	4,961	4,804	11,335	12,798	24,133	613
Ohio.....	50	1,053	2,311	844	1,725	1,554	3,326	3,780	7,106	201
Illinois.....	75	960	2,358	781	1,526	1,602	3,931	4,377	8,308	141
Michigan.....	43	321	793	259	522	575	1,163	1,502	2,005	95
<b>West North Central.....</b>	85	1,127	2,410	906	1,860	1,650	4,488	4,965	9,453	56
Minnesota.....	10	138	362	97	208	192	510	571	1,081	6
Iowa.....	12	190	394	155	324	282	573	693	1,260	17
Missouri.....	31	395	861	326	653	650	1,830	2,332	4,171	9
Kansas.....	15	185	340	154	331	260	807	778	1,645	15
<b>South.....</b>	144	2,191	4,725	1,820	4,021	3,346	9,373	8,761	18,134	306
Maryland.....	15	422	975	390	891	825	2,357	1,396	3,763	85
District of Columbia.....	11	165	354	137	270	265	472	621	1,003	7
Virginia.....	14	152	283	133	328	232	410	479	895	6
North Carolina.....	10	149	308	126	267	189	424	577	1,001	15
Florida.....	25	166	438	156	338	293	597	558	1,155	10
Tennessee.....	9	223	444	193	423	347	1,692	952	2,544	12
Oklahoma.....	5	120	252	91	183	140	417	458	875	17
Texas.....	22	327	651	240	532	383	1,254	1,162	2,410	124
<b>Mountain.....</b>	22	229	533	194	390	390	756	980	1,745	16
Colorado.....	9	143	330	117	243	211	490	671	1,161	10
<b>Pacific.....</b>	89	1,040	2,745	846	1,706	1,981	4,599	5,377	9,976	221
Washington.....	15	152	399	129	251	303	553	813	1,376	38
California.....	68	813	2,191	665	1,347	1,679	3,706	4,414	8,120	176
<b>Tucking, pleating, and hemstitching, total <sup>1</sup></b>	531	5,929	12,421	5,532	10,416	11,035	21,339	3,898	25,237	298
Northeast.....	426	4,723	10,264	4,411	8,219	9,112	17,571	3,264	20,835	251
Massachusetts.....	26	203	361	193	338	338	591	99	690	11
New York.....	314	3,463	8,125	3,205	5,861	7,134	14,125	2,548	16,073	171
New Jersey.....	48	604	1,075	580	1,120	1,003	1,722	422	2,144	40
<b>East North Central.....</b>	43	583	1,116	530	1,038	947	1,851	357	2,208	22
Illinois.....	30	456	916	409	828	758	1,473	282	1,755	15
West North Central.....	11	53	63	53	96	61	163	39	202	1
South.....	17	282	379	263	505	345	618	100	718	2
Maryland.....	5	127	229	124	227	222	378	7	385	2
Pacific.....	34	288	699	275	558	670	1,136	138	1,274	22
California.....	31	254	544	243	498	518	902	132	1,094	21
<b>Trimmings and art goods, total <sup>1</sup></b>	787	15,007	33,924	13,120	25,092	25,547	65,092	64,890	129,982	1,905
New England.....	29	977	2,159	843	1,617	1,601	4,544	6,499	11,043	147
Massachusetts.....	24	822	1,850	705	1,348	1,313	3,830	5,250	9,089	110
<b>Middle Atlantic.....</b>	652	10,270	22,795	9,034	17,230	17,325	43,875	39,450	83,331	608
New York.....	604	9,298	21,022	8,146	15,503	15,822	39,438	37,155	76,593	531
New Jersey.....	22	171	358	159	292	293	729	330	1,050	17
Pennsylvania.....	26	801	1,416	729	1,435	1,210	3,708	1,071	5,070	60
<b>East North Central.....</b>	46	2,373	5,915	2,016	3,924	4,316	10,890	12,360	23,268	694
Illinois.....	29	718	1,497	628	1,248	1,038	3,172	3,502	6,674	56
Michigan.....	9	1,362	3,739	1,129	2,171	2,771	6,410	7,253	13,063	220
West North Central.....	10	251	659	206	418	355	1,151	1,004	2,155	21
South Atlantic.....	6	82	97	60	145	88	161	200	541	7
West South Central.....	5	76	63	74	108	61	109	28	197	2
West.....	39	998	2,236	887	1,650	1,841	4,203	5,244	9,447	420
<b>Schiff-machine embroideries, total <sup>1</sup></b>	546	5,678	15,054	5,080	10,458	11,681	31,733	23,781	55,514	826
Northeast.....	517	5,165	13,904	4,630	9,596	10,859	29,823	23,032	52,865	815
New York.....	90	1,306	3,315	1,101	2,148	2,343	6,273	4,134	10,407	63
New Jersey.....	415	3,623	10,129	3,307	7,001	8,140	22,590	18,238	40,828	745
<b>East North Central.....</b>	14	258	608	227	435	412	950	384	1,334	4
Illinois.....	11	225	564	202	381	381	881	338	1,219	4
South and West.....	15	255	542	223	427	410	900	305	1,325	7

See footnotes at end of table.



TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Embroideries, except Schiffli-machine, total</b> <sup>1</sup>	787	9,836	\$20,234	9,308	16,981	\$17,627	\$34,521	\$9,871	\$44,392	\$349
New England.....	19	261	463	246	455	380	761	349	1,110	18
Middle Atlantic.....	676	8,521	17,826	8,053	14,735	15,563	30,355	8,679	39,034	283
New York.....	479	7,083	15,371	6,655	12,081	13,256	25,752	7,194	32,940	181
New Jersey.....	167	931	1,726	906	1,721	1,614	3,435	1,248	4,083	31
Pennsylvania.....	30	507	729	492	933	693	1,108	237	1,405	71
East North Central.....	40	508	1,068	478	750	862	1,851	367	2,218	14
Illinois.....	19	372	831	346	498	631	1,422	262	1,684	11
West North Central.....	12	300	408	295	572	392	751	175	926	23
South and West.....	40	246	460	236	450	430	803	301	1,104	11
California.....	25	150	358	142	284	324	576	140	716	6
<b>Fabricated textile products, n.e.c., total</b> <sup>1</sup>	838	18,526	42,866	16,060	33,091	31,381	80,768	112,698	193,466	2,381
New England.....	72	1,004	2,400	821	1,008	1,592	4,457	4,616	9,073	194
Massachusetts.....	45	540	1,247	452	911	887	2,169	2,322	4,491	154
Connecticut.....	12	231	764	172	338	408	1,375	1,953	3,328	28
Middle Atlantic.....	380	7,800	18,801	6,827	14,970	14,422	35,437	36,256	71,693	925
New York.....	289	5,630	14,146	4,908	9,972	10,735	26,136	24,676	50,812	552
New Jersey.....	38	728	1,565	638	2,304	1,229	2,889	4,141	7,030	188
Pennsylvania.....	53	1,442	3,180	1,281	2,694	2,458	6,412	7,439	13,881	185
East North Central.....	158	4,201	9,977	3,678	7,188	6,924	18,615	32,050	50,665	534
Ohio.....	42	1,295	3,149	1,094	2,059	1,884	5,683	11,160	16,843	187
Indiana.....	11	273	586	247	511	424	1,110	1,695	2,805	3
Illinois.....	62	1,567	3,678	1,361	2,686	2,732	6,087	9,419	15,506	131
Michigan.....	23	679	1,512	595	1,148	1,113	2,980	4,559	7,539	100
Wisconsin.....	20	447	1,062	381	784	771	2,755	5,217	7,972	113
West North Central.....	39	1,023	3,235	1,411	2,708	2,478	5,835	9,639	15,474	143
Minnesota.....	14	252	432	221	393	369	690	941	1,631	8
Missouri.....	10	636	1,331	572	1,038	1,060	2,352	4,204	6,556	90
South Atlantic.....	58	1,699	4,121	1,508	3,074	2,776	8,260	19,829	28,089	276
Georgia.....	15	378	671	324	617	449	1,497	2,262	3,759	29
East South Central.....	15	621	1,240	482	937	736	2,246	3,481	5,727	119
Kentucky.....	5	275	421	233	427	310	941	934	1,875	75
West South Central.....	25	442	733	401	759	581	1,745	2,383	4,128	48
Texas.....	15	390	647	353	669	504	1,521	2,196	3,717	32
Mountain.....	14	107	181	91	191	143	289	337	626	14
Pacific.....	77	969	2,088	841	1,656	1,729	3,884	4,107	7,991	128
California.....	67	837	1,813	730	1,427	1,517	3,474	3,741	7,215	113

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

**Curtains and draperies:** *New England*, Rhode Island, 7 (200); Connecticut, 6 (125); *East North Central*, Ohio, 6 (81); Michigan, 4 (54); Wisconsin, 3 (15); *West North Central*, Minnesota, 6; *South*, Maryland, 1; District of Columbia, 1; North Carolina, 3 (80); Georgia, 2; Florida, 1; Tennessee, 1; Oklahoma, 2; *West*, Colorado, 2; Washington, 4 (66); Oregon, 3 (43).

**Housefurnishings, n.e.c.:** *New England*, New Hampshire, 2; Rhode Island, 2; Connecticut, 9 (365); *West North Central*, Minnesota, 7 (95); Iowa, 1; Nebraska, 1; Kansas, 4; *South Atlantic*, Delaware, 1; Maryland, 13 (652); Virginia, 4 (1,947); West Virginia, 1; South Carolina, 21 (2,668); Florida, 6; *East South Central*, Kentucky, 16; Mississippi, 2; *West South Central*, Arkansas, 1; Louisiana, 6 (96); Oklahoma, 3; *West*, Colorado, 2; Arizona, 1; Utah, 2; Washington, 6 (39); Oregon, 2.

**Textile bags:** *New England*, Maine, 4 (67); Vermont, 1; Rhode Island, 2; Connecticut, 1; *East North Central*, Indiana, 3 (369); Michigan, 4 (52); Wisconsin, 3 (163); *West North Central*, Nebraska, 1; Kansas, 3; *South Atlantic*, South Carolina, 1; Florida, 5; *East South Central*, Kentucky, 2; Alabama, 6 (208); Mississippi, 1; *West*, Colorado, 3; Washington, 1; Oregon, 3 (285).

**Canvas products:** *New England*, Maine, 7 (28); New Hampshire, 2; Vermont, 4 (15); Rhode Island, 10 (134); *East North Central*, Indiana, 26 (446); Wisconsin, 18 (334); *West North Central*, North Dakota, 2; South Dakota, 4; Nebraska, 11 (182); *South*, Delaware, 3 (19); South Carolina, 4 (37); Georgia, 3 (99); Kentucky, 7 (75); Alabama, 5 (67); Mississippi, 1; Arkansas, 4; Louisiana, 6 (164); *Mountain*, Idaho, 4 (20); Arizona, 4; Utah, 3 (23); Nevada, 2; *Pacific*, Oregon, 6 (75).

**Tucking, pleating, and hemstitching:** *New England*, New Hampshire, 2; Rhode Island, 2; Connecticut, 2; Pennsylvania, 32 (427); *East North Central*, Ohio, 11; Michigan, 1; Wisconsin, 1; *West North Central*, Minnesota, 4 (16); Iowa, 2; Missouri, 4 (24); Kansas, 1; *South*, North Carolina, 3 (56); Georgia, 2; Florida, 1; Kentucky, 1; Oklahoma, 2; Texas, 3 (74); *Pacific*, Washington, 2; Oregon, 1.

**Trimmings and art goods:** *New England*, New Hampshire, 1; Rhode Island, 1; Connecticut, 3; *East North Central*, Ohio, 7; Indiana, 1; *West North Central*, Iowa, 1; Missouri, 9; *South Atlantic*, Maryland, 3; South Carolina, 1; Georgia, 2; *West South Central*, Arkansas, 1; Texas, 4; *West*, Utah, 1; Washington, 1; California, 37.

**Schiffli-machine embroideries:** *Northeast*, Massachusetts, 2; Connecticut, 1; Pennsylvania, 9; *East North Central*, Ohio, 1; Michigan, 1; Wisconsin, 1; *South and West*, Maryland, 2; Texas, 1; Washington, 1; California, 11 (68).

**Embroideries, except Schiffli-machine:** *New England*, Massachusetts, 13 (181); Rhode Island, 1; Connecticut, 5; *East North Central*, Ohio, 10 (84); Indiana, 2; Michigan, 7 (30); Wisconsin, 2; *West North Central*, Minnesota, 1; Missouri, 11; *South and West*, District of Columbia, 1; South Carolina, 1; Florida, 2; Kentucky, 1; Tennessee, 1; Mississippi, 1; Texas, 6 (40); Colorado, 1; Washington, 1.

**Fabricated textile products, n.e.c.:** *New England*, Maine, 5 (33); New Hampshire, 2; Vermont, 1; Rhode Island, 7 (72); *West North Central*, Iowa, 5 (548); Nebraska, 1; Kansas, 3; *South Atlantic*, Maryland, 10 (65); District of Columbia, 1; Virginia, 7 (769); West Virginia, 1; North Carolina, 8 (71); South Carolina, 8 (292); Florida, 8 (48); *East South Central*, Tennessee, 5 (226); Alabama, 5 (120); *West South Central*, Arkansas, 1; Louisiana, 5; Oklahoma, 4 (26); *Mountain*, Colorado, 3; New Mexico, 9 (81); Utah, 2; *Pacific*, Washington, 8; Oregon, 2.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry								
	Curtains and draperies	House furnishings, n.e.c.	Textile bags	Canvas products	Tucking, pleating, and hem-stitching	Trim-mings and art goods	Schiffli-ma-chine embroidery	Em-broideries, except Schiffli-machine	Fabricated textile products, n.e.c.
ALL ESTABLISHMENTS									
Number of establishments.....	397	1,233	233	902	531	787	546	787	838
All employees:									
Number (average for the year).....	7,982	40,220	13,884	10,569	5,029	15,007	5,678	9,836	18,526
Salaries and wages, total.....	\$17,081	\$78,790	\$28,363	\$24,667	\$12,421	\$33,924	\$15,054	\$20,234	\$42,866
Production and related workers:									
Number (average for the year).....	6,028	36,384	12,159	8,630	5,582	13,120	5,080	9,308	16,060
Man-hours, total.....	13,354	69,594	23,446	17,863	10,416	25,092	10,458	16,081	33,091
Wages, total.....	\$11,702	\$63,053	\$21,046	\$17,429	\$11,035	\$25,547	\$11,681	\$17,827	\$31,381
Value added by manufacture.....	\$34,909	\$156,420	\$60,320	\$41,424	\$21,339	\$66,092	\$31,733	\$34,521	\$80,768
ESTABLISHMENTS REPORTING DETAILED STATISTICS									
Number of establishments.....	249	821	233	457	317	587	546	407	680
All employees:									
Number (average for the year).....	7,325	38,330	13,884	8,732	4,477	13,504	5,678	7,602	17,767
Salaries and wages, total.....	\$15,648	\$74,755	\$28,363	\$21,159	\$10,218	\$31,618	\$15,054	\$10,333	\$41,351
Production and related workers:									
Number (average for the year).....	6,279	34,552	12,159	8,829	44,140	11,708	5,080	7,126	15,329
Man-hours, total.....	12,064	65,931	23,446	14,314	7,638	22,390	10,458	12,614	31,638
Wages, total.....	\$10,305	\$60,182	\$21,046	\$14,614	\$8,960	\$23,464	\$11,681	\$13,953	\$29,977
Value added by manufacture.....	\$31,914	\$160,332	\$66,320	\$36,836	\$17,371	\$60,770	\$31,733	\$20,805	\$78,032
Number of employees for pay period ended nearest Oct. 15:									
All employees.....	8,180	42,305	14,130	8,220	4,774	15,021	6,117	9,387	18,830
Male.....	1,633	10,116	5,236	4,786	1,463	5,358	1,990	1,809	7,180
Female.....	6,547	26,189	8,894	3,434	3,311	9,663	4,127	7,578	11,650
Production and related workers.....	7,090	38,519	12,335	6,306	4,442	13,093	5,525	8,018	16,249
Male.....	1,012	13,945	4,091	3,624	1,232	4,205	1,594	1,533	5,816
Female.....	6,078	24,574	8,244	2,682	3,210	8,888	3,931	7,385	10,433
Force-account construction workers.....		32	3	18		24			
Administrative, supervisory, sales, and all other.....	1,090	3,764	1,792	1,896	332	1,904	592	469	2,581
Male.....	621	2,139	1,142	1,144	231	1,120	396	276	1,364
Female.....	469	1,615	650	752	101	775	196	193	1,217
All employees, number by month:									
January.....	6,982	37,122	14,163	8,348	4,468	13,078	5,582	6,871	17,685
February.....	6,898	36,639	14,213	8,594	4,805	13,663	5,712	7,178	17,771
March.....	6,904	36,577	14,286	8,794	4,862	13,380	5,790	6,985	17,785
April.....	6,938	36,075	13,937	9,323	4,326	12,527	5,376	6,254	17,496
May.....	6,576	35,322	13,669	9,655	4,003	12,764	5,183	6,997	17,182
June.....	6,718	35,471	13,320	9,696	3,865	12,833	5,108	6,544	17,000
July.....	6,703	35,469	13,234	9,243	4,068	12,272	5,211	7,538	16,962
August.....	7,399	37,903	13,475	8,540	4,677	13,938	5,690	8,561	17,711
September.....	7,680	40,124	13,760	8,132	4,724	14,409	6,008	8,970	17,947
October.....	8,180	42,305	14,130	8,220	4,774	15,021	6,117	9,387	18,830
November.....	8,414	43,383	14,184	8,101	4,670	14,563	6,207	9,072	18,596
December.....	8,382	43,034	14,067	8,075	4,448	14,390	6,018	7,666	17,833
Cost of materials, fuel, electricity, and contract work.....	\$67,287	\$340,037	\$289,925	\$43,732	\$2,625	\$61,932	\$23,781	\$6,784	\$109,809
Materials, parts, containers, and supplies.....	64,717	331,672	288,830	42,542	2,301	60,291	15,481	5,919	100,519
Fuels, total.....	22	1,440	188	188	30	105	117	26	248
Bituminous coal.....	2	1,102	147	56	1	19	6	3	84
Anthracite.....	2	40	4	27	1	3	3	3	26
Coke.....				2			2		1
Fuel oils.....	12	203	72	51	16	69	100	12	67
Gas.....	5	82	54	39	9	11	2	7	54
Other fuels.....	1	13	3	13	3	3	4	1	16
Purchased electric energy.....	148	1,426	312	230	122	363	215	124	467
Contract and commission work.....	2,400	5,499	503	772	172	1,173	7,068	715	2,076
Value of inventories:									
Beginning of year, total.....	\$10,549	n.a.	\$30,966	\$18,453	\$325	\$11,738	\$3,402	n.a.	\$20,810
Finished products.....	n.a.	n.a.	10,975	4,681	n.a.	n.a.	1,325	n.a.	6,615
Materials, supplies, and work in process.....	n.a.	n.a.	19,991	13,772	n.a.	n.a.	2,077	n.a.	14,195
End of year, total.....	12,914	n.a.	45,301	17,823	457	12,363	3,451	n.a.	24,738
Finished products.....	n.a.	n.a.	15,634	4,841	n.a.	n.a.	1,337	n.a.	8,667
Materials, supplies, and work in process.....	n.a.	n.a.	29,667	12,982	n.a.	n.a.	2,114	n.a.	16,071
Expenditures for plant and equipment:									
New plant and equipment.....	\$748	\$5,001	\$3,018	\$1,399	\$298	\$1,005	\$826	\$349	\$2,381
Construction and major alteration of fixed plants.....	60	1,791	1,851	507	26	707	138	53	924
Buildings.....	52	1,872	1,817	435	26	676	128	48	809
Other construction.....	8	419	34	22		31	10	5	115
Machinery and equipment.....	688	3,210	2,067	892	272	1,108	688	296	1,467
Production machinery and equipment.....	554	2,715	1,675	441	237	973	630	250	1,185
Other machinery and equipment.....	134	495	392	451	35	225	49	40	272
Used plant and equipment, and land.....	87	321	900	298	13	114	163	24	309
Number of highway-type motor vehicles owned or leased:									
Trucks.....	20	187	120	824	16	56	40	14	200
By manufacturer's rated capacity:									
Under 1 1/2 tons.....	18	98	29	559	12	33	34	0	84
1 1/2 tons.....	2	65	55	202	1	11	5	4	100
Over 1 1/2 tons and less than 3 1/2 tons.....		18	27	44	3	8	1	1	25
3 1/2 tons and less than 5 tons.....		1	2	15					
5 tons and over.....		5	16	4					
By body type:									
Van.....	1	24	24	26	3	11	1		34
Stake or platform.....	2	64	71	198		8	1		33
Panel or light delivery.....	14	65	26	415	10	29	32	12	114
All other trucks.....	3	34	8	187	3	8	6	2	28
Truck tractors.....		1	30	7	1	12			
Trailers and semitrailers.....		1	34	9	1	12			

n.a.—Not available.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Curtains and draperies:</b>											
Number of establishments.....	397	<sup>1</sup> 129	89	70	66	30	11	2			
Number of employees (average for the year).....	7,982	313	621	943	1,890	2,150	<i>2,068</i>	(d)			
Value added by manufacture.....	\$34,909	\$2,727	\$3,037	\$3,965	\$7,738	\$9,134	<i>\$3,903</i>	(d)			
<b>Housefurnishings, n.e.c.:</b>											
Number of establishments.....	1,233	<sup>1</sup> 455	245	197	196	73	45	14	4	3	<sup>1</sup>
Number of employees (average for the year).....	40,220	1,020	1,840	2,670	5,933	5,048	6,567	4,880	2,798	<i>9,884</i>	(d)
Value added by manufacture.....	\$156,420	\$5,163	\$7,160	\$10,494	\$22,206	\$20,430	\$26,029	\$22,243	\$13,379	<i>\$29,386</i>	(d)
<b>Textile bags:</b>											
Number of establishments.....	233	43	36	39	38	28	40	8	<sup>1</sup>		
Number of employees (average for the year).....	13,884	110	251	555	1,280	1,920	6,381	<i>3,337</i>	(d)		
Value added by manufacture.....	\$66,320	\$329	\$1,007	\$2,342	\$5,807	\$9,787	\$30,828	<i>\$16,220</i>	(d)		
<b>Canvas products:</b>											
Number of establishments.....	902	368	224	178	99	25	7	1			
Number of employees (average for the year).....	10,569	779	1,517	2,438	2,748	1,771	<i>1,316</i>	(d)			
Value added by manufacture.....	\$41,424	\$3,073	\$5,456	\$7,734	\$10,499	\$7,683	<i>\$5,949</i>	(d)			
<b>Tucking, pleating, and hemstitching:</b>											
Number of establishments.....	531	210	134	117	54	12	4				
Number of employees (average for the year).....	5,929	478	915	1,566	1,716	740	514				
Value added by manufacture.....	\$21,339	\$2,242	\$3,818	\$6,000	\$5,088	\$2,269	\$1,922				
<b>Trimnings and art goods:</b>											
Number of establishments.....	787	<sup>1</sup> 227	198	186	126	33	11	5	<sup>1</sup>		
Number of employees (average for the year).....	15,007	527	1,364	2,621	3,882	2,087	1,547	<i>\$2,979</i>	(d)		
Value added by manufacture.....	\$65,092	\$2,881	\$6,092	\$10,377	\$15,960	\$9,923	\$5,953	<i>\$13,900</i>	(d)		
<b>Schiffli-machine embroideries:</b>											
Number of establishments.....	546	240	154	99	39	6	8				
Number of employees (average for the year).....	5,678	616	1,001	1,308	1,093	433	1,227				
Value added by manufacture.....	\$31,783	\$4,727	\$6,324	\$7,996	\$5,446	\$1,303	\$6,038				
<b>Embroideries, except Schiffli-machine:</b>											
Number of establishments.....	787	305	178	166	106	25	7				
Number of employees (average for the year).....	9,836	664	1,181	2,228	3,124	1,603	1,036				
Value added by manufacture.....	\$34,521	\$3,509	\$4,903	\$7,870	\$9,319	\$5,878	\$3,342				
<b>Fabricated textile products, n.e.c.:</b>											
Number of establishments.....	838	<sup>2</sup> 275	181	155	137	47	39	3	<sup>1</sup>		
Number of employees (average for the year).....	18,526	629	1,217	2,166	4,212	3,212	5,549	<i>1,541</i>	(d)		
Value added by manufacture.....	\$80,768	\$2,766	\$4,989	\$5,822	\$18,890	\$13,607	\$24,626	<i>\$7,063</i>	(d)		

NOTE: In the smaller size groups the relationship between value added figures and employment may be affected by the fact that "total employees" excludes working members of the firm. Small errors in reporting may have also distorted the relationship in a few instances.

<sup>1</sup> Includes 1 establishment with no employees accounting for a small amount of value added.

<sup>2</sup> Includes 2 establishments with no employees accounting for a small amount of value added.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

CURTAINS AND DRAPERIES INDUSTRY	Shipped by—		
	Curtains and draperies industry	Other industries	All industries
Total shipments by the industry	\$109,640		
A. Curtains and draperies, except lace	100,117	\$10,716	\$110,833
B. Secondary products	2,584		
C. Miscellaneous receipts	6,939		
Contract and commission work	4,862		
Scrap and salable refuse	492		
Nonmanufacturing activities	1,585		

  

HOUSEFURNISHINGS, N.E.C., INDUSTRY	Shipped by—		
	Housefurnishings, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$504,065		
A. Housefurnishings, except curtains and draperies	447,924	\$63,320	\$511,244
Bedspreeds and bed sets	68,851	7,008	75,859
Sheets and pillowcases	109,622	16,906	126,528
Towels and washcloths	110,463	6,696	117,159
Other housefurnishings, n.e.c.	158,988	32,710	191,698
B. Secondary products	33,394		
Curtains and draperies, except lace	6,912		
Fabricated textile products, n.e.c.	1,904		
Other secondary products	24,578		
C. Miscellaneous receipts	22,747		
Contract and commission work	20,243		
Repair work	70		
Scrap and salable refuse	1,699		
Nonmanufacturing activities	735		

  

TEXTILE BAGS INDUSTRY	Shipped by—		
	Textile bags industry	Other industries	All industries
Total shipments by the industry	\$356,245		
A. Textile bags	326,382	\$8,163	\$334,545
B. Secondary products	25,726		
Paper bags, except shipping sacks	9,400		
Paper shipping sacks	9,810		
Canvas products	1,583		
Other products	4,933		
C. Miscellaneous receipts	4,137		
Contract and commission work	1,788		
Scrap and salable refuse			
Nonmanufacturing activities	2,340		

  

FABRICATED TEXTILE PRODUCTS, N.E.C., INDUSTRY	Shipped by—		
	Fabricated textile products, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$193,466		
A. Fabricated textile products, not elsewhere classified	157,681	\$22,909	\$180,590
B. Secondary products	21,433		
Narrow fabrics and other small wares	3,432		
Housefurnishings, except curtains and draperies	5,616		
Textile bags, except laundry and wardrobe bags	1,148		
Canvas products, n.e.c.	2,623		
Other secondary products	8,614		
C. Miscellaneous receipts	14,352		
Contract and commission work	12,978		
Scrap and salable refuse	104		
Nonmanufacturing activities	1,270		

  

CANVAS PRODUCTS INDUSTRY	Shipped by—		
	Canvas products industry	Other industries	All industries
Total shipments by the industry	\$30,844		
A. Canvas products	80,482	\$6,370	\$86,851
B. Secondary products	7,041		
Textile bags	1,617		
Other secondary products	6,024		
C. Miscellaneous receipts	2,721		
Contract and commission work	1,298		
Other miscellaneous receipts	1,423		

  

TUCKING, PLEATING, AND HEMSTITCHING INDUSTRY	Shipped by—		
	Tucking, pleating, and hemstitching industry	Other industries	All industries
Total shipments by the industry	\$25,237		
A. Pleating, stitching, and tucking for the trade	4,144	\$630	\$4,774
B. Secondary products	189		
C. Miscellaneous receipts	20,904		
Contract and commission work	20,904		
For pleating, stitching, and tucking for the trade	17,970		
For other contract and commission work	2,934		

  

TRIMMINGS AND ART GOODS INDUSTRY	Shipped by—		
	Trim-mings and art goods industry	Other industries	All industries
Total shipments by the industry	\$129,982		
A. Trimmings, stamped art goods, and art needlework	114,514	\$4,623	\$119,137
B. Secondary products	7,550		
C. Miscellaneous receipts	7,912		
Contract and commission work	7,501		
On dress and coat trimmings	2,078		
On other trimmings	1,040		
Bias binding for apparel trade	1,129		
Other and unspecified contract and commission work	3,338		
Other miscellaneous receipts	321		

  

SCHIFFLI-MACHINE EMBROIDERIES INDUSTRY	Shipped by—		
	Schiffli-machine embroid-eries industry	Other industries	All industries
Total shipments by the industry	\$55,514		
A. Schiffli-machine embroideries	32,200	\$1,221	\$33,421
B. Secondary products	615		
C. Miscellaneous receipts	22,699		
Contract and commission work	22,699		
For Schiffli-machine products	22,301		
For other contract and commission work	398		

  

EMBROIDERIES, EXCEPT SCHIFFLI-MACHINE, INDUSTRY	Shipped by—		
	Em-broideries, except Schiffli-machine, industry	Other industries	All industries
Total shipments by the industry	\$44,392		
A. Embroideries, except Schiffli-machine	21,080	\$957	\$22,037
B. Secondary products	661		
C. Miscellaneous receipts	22,651		
Contract and commission work	22,651		
For embroideries, except Schiffli-machine products	20,222		
For other contract and commission work	2,429		

MISCELLANEOUS FABRICATED TEXTILE PRODUCTS

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TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947		1939		PRODUCT	1947		1939	
	Total shipments and interplant transfers		Quantity (pairs or sets)	Value		Total shipments and interplant transfers		Production	
	Quantity (pairs or sets)	Value f.o.b. plant				Value f.o.b. plant	Value		
Curtains and draperies, total.....		\$110,833		\$44,287	Housefurnishings, except curtains and draperies—Continued				
Window curtains.....	37,770	89,364	51,267	35,680	Other housefurnishings—Continued				
Wholly or chiefly cotton.....	31,589	75,866	n.a.	n.a.	Quilted products.....	\$14,033		n.a.	
Other window curtains.....	6,111	13,508			Mattress protectors.....	5,560			
Draperies.....	2,859	9,931	2,341	5,931	Baby pads.....	4,193			
Wholly or chiefly cotton.....	1,120	6,833	n.a.	n.a.	Other.....	4,280			
Other draperies.....	1,239	3,098			Tablecloths, napkins, and related articles, except lace.....	22,045		n.a.	
Other curtains and draperies, unspecified.....		11,538		2,776	Tablecloths.....	13,014		n.a.	
					Napkins.....	2,799		\$769	
					Table and dresser covers and scarfs, table dollies and mats, tray cloths, table sets (luncheon, bridge, etc.), and related articles, except lace.....	6,232		n.a.	
					Pillows.....	19,828		8,258	
					Bed pillows.....	13,204		5,112	
					Fancy pillows and cushions.....	6,534		3,146	
					Miscellaneous textile housefurnishings, except embroidered.....	110,596		n.a.	
					Slip covers.....	32,006		n.a.	
					Furniture.....	23,294		5,557	
					Mattress.....	4,947		2,057	
					Other.....	3,765		n.a.	
					Mops and dusters.....	20,601		6,519	
					Housefurnishings, except embroidered, n.e.c.....	57,989		8,233	
					Textile bags, total.....	334,545		110,504	
					Cotton.....	168,246		52,870	
					Burlap.....	143,752		50,968	
					Other.....	22,547		6,666	
					Canvas products, total.....	86,861		23,246	
					Awnings.....	20,610			
					Tents.....	5,867		20,514	
					Sails.....	3,472			
					Other canvas products.....	37,102			
					Painted awning stripes.....	5,388		2,732	
					All other and unspecified products.....	14,422		n.a.	
					Pleating, stitching, and tucking for the trade.....	4,774		520	
					Trimmings, stamped art goods, and art needlework, total.....	119,137		23,551	
					Trimmings.....	54,763		8,231	
					Dress and coat.....	10,411		3,572	
					Automotive and furniture.....	30,826		2,716	
					Other.....	13,526		1,943	
					Bias binding.....	17,870		10,131	
					For the apparel trades.....	13,814		8,654	
					For the notion trade.....	4,056		1,477	
					Stamped art goods for embroidering and punching.....	7,455		5,189	
					Cotton.....	6,648		n.a.	
					Other.....	807			
					Other trimmings and art goods, not specified by kind.....	39,049		n.a.	

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production from own materials	
		Quantity	Value f.o.b. plant	Quantity	Value
Other fabricated textile products, total.....			\$180,590		\$105,671
Auto seat covers.....	Set.....	8,414	73,988	4,776	<sup>1</sup> 11,690
Diapers.....	Doz.....	7,558	15,470	3,530	<sup>1</sup> 2,790
Flags, banners, and similar emblems.....			7,506		
Badges, insignia, and similar emblems (textile).....			3,850		0,757
Sleeping bags.....	Each.....	130	1,743		
Other fabricated textile products, n.e.c.....			78,017		<sup>4</sup> 84,434

n.a.—Not available.

<sup>1</sup> Approximately 80 percent reported as produced by manufacturers in their own plants, less than 5 percent reported as produced in the plants of contractors, and about 15 percent not specified.<sup>2</sup> Value of/or receipts for making 4,235,223 dozen embroidered handkerchiefs in 1939.<sup>3</sup> Includes the following value for which quantity was not reported: Auto seat covers, \$289,000; diapers, \$20,000.<sup>4</sup> Includes the value of table and dresser covers and scarfs, table and lunch cloths; horse blankets, fly nets, and related products; sheets and pillow cases, regalia, vestments, costumes, belting (not made in textile mills), and sleeping bags.



## Major Group 24.—LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE

This major group includes sawmills, veneer mills, lath mills, shingle mills, cooperage-stock mills, planing mills, and plywood mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes. Certain types of establishments producing wood products are classified elsewhere. For example, furniture and office and store fixtures are classified in Major Group 25; pianos, musical instruments, toys

and playground equipment, and caskets and coffins in Major Group 39. Woodworking in connection with construction, in the nature of reconditioning and repair, or performed to individual order, is classified in nonmanufacturing industries. Logging camps and logging contractors (Standard Industrial Classification Industry 2411) are excluded from the scope of the 1947 census. No establishments were classified in Standard Industrial Classification Industry 2429 in 1947.

### GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees <sup>1</sup>		Production workers		Value added by manufacture <sup>1</sup>
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total	
1947.....	26,231	635,708	\$1,337,612	596,118	\$1,179,981	\$2,497,192
1939.....	13,208	n.a.	n.a.	422,947	355,142	731,208
1937 <sup>2</sup> .....	11,747	n.a.	n.a.	438,181	368,468	714,278
1935.....	11,280	414,455	340,326	384,160	282,568	541,704
1933.....	8,356	314,402	211,868	293,905	181,830	379,130
1931.....	11,141	n.a.	n.a.	326,674	276,489	524,410
1929 <sup>4</sup> .....	20,928	651,259	759,310	603,426	632,183	1,322,049
1927.....	14,949	649,153	748,375	602,305	631,860	1,179,184
1925.....	16,878	725,762	814,797	674,217	693,285	1,332,641
1923 <sup>5</sup> .....	16,671	745,910	820,046	692,852	700,808	1,399,394
1921.....	16,548	565,800	581,330	520,731	482,768	852,830
1919.....	35,872	714,592	773,506	663,414	607,960	1,298,250
1914 <sup>6</sup> .....	37,949	717,727	409,893	671,580	349,021	646,937
1909 <sup>7</sup> .....	44,822	n.a.	n.a.	757,654	346,765	708,104
1904.....	20,808	n.a.	n.a.	595,476	272,311	577,475
1899.....	32,356	n.a.	n.a.	562,932	209,112	436,834

n.a.—Not available.

<sup>1</sup> The figures for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known. See GENERAL EXPLANATIONS—Manufacturing employees—Classifications used.

<sup>2</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899-1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>3</sup> The figures for 1937-47 exclude data for independent logging camps not operating sawmills and logging contractors, which are no longer classified as manufacturing, and for establishments primarily engaged in manufacture of venetian blinds, which are included for these years in the series for the "Furniture and fixtures" industries. Value added by manufacture for 1937, including data for these establishments and on a basis comparable with 1935, was \$768.3 million.

<sup>4</sup> The figures for 1899-1929 do not include data for establishments primarily engaged in manufacture of wood vehicle stock, which are included for these years in the series for the "Transportation equipment" industries. Value added by manufacture for 1931, excluding data for these establishments and on a basis comparable with 1929, was \$523.8 million.

<sup>5</sup> The figures for 1899-1923 include data for establishments engaged in manufacture of rules made of metal and other materials as well as of wood, whereas the figures for later years include data for establishments making wooden rules only.

<sup>6</sup> The figures for 1914 do not include data for establishments engaged in manufacture of lath and shingles.

<sup>7</sup> The figures for 1899-1909 include data for establishments primarily engaged in manufacture of window and door screens, which are included for later years in the series for the "Furniture and fixtures" industries. Value added by manufacture for 1914, including data for these establishments, was \$651.8 million.

## LUMBER AND TIMBER BASIC PRODUCTS

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of lumber, veneer, shingles, cooperage stock, wood excelsior, etc. These establishments have been classified in five industries described separately below.

In the 1939 Census of Manufactures, establishments primarily engaged in producing rough lumber, shingles, veneer, and cooperage stock were classified into one industry "Sawmills, Veneer Mills, and Cooperage Stock Mills, Including Those Combined With Logging Camps and Planing Mills." For this census, establishments producing these products were classified into separate industries as defined below. To provide comparable statistics with those for 1947, the 1939 data were retabulated. Comparable data for earlier years are not available.

**Sawmills and Planing Mills, General** (*Standard Industrial Classification No. 2421.*)—This industry comprises establishments primarily engaged in sawing rough lumber and timbers from logs or bolts, or resawing cants, flitches, or lumber into smaller dimensions; planing mills, combined with sawmills; and separately operated planing mills which are engaged primarily in producing surfaced lumber and standard workings or patterns of lumber. This industry also includes establishments primarily engaged in sawing lath, railroad ties, and box shooks from logs or bolts. Establishments primarily engaged in manufacturing box shooks or boxes from purchased lumber are classified in the Wooden Boxes Industry, and sash, doors, window and door frames, and other fabricated millwork from purchased lumber in the Millwork Industry. Data for logging operations reported with sawmilling as a single establishment are generally included in this industry.

Special enumerating and reporting techniques were developed for the lumber industry. Because there are many thousands of portable mills in the East with no fixed address, a satisfactory mailing list assuring adequate coverage could not be developed. Consequently, a systematic field canvass was made in all Eastern States, resulting in what is believed to be more nearly complete coverage than in previous years.

The report required from the smaller operators was tailored to conform to the type of information readily available from records or for which reasonably reliable estimates could be secured. For mills whose production of lumber amounted to 1,000,000 feet or more, board measure, and for planing mills, a detailed Census of Manufactures report was required. For mills producing between 200,000 and 1,000,000 feet, board measure, the following inquiries were omitted: Man-hours, expenditures for plant and equipment, dollar value of inventories for the beginning and end of year, and a breakdown of employment between production and other employees. Tables 1, 2, and 3 show data for each of these classes of mills, together with a recapitulation of the items common to both. This permits, to a much greater extent than in past censuses,

analyses of relationships between selected operating costs and value of shipments for the larger and smaller mills. For mills producing less than 200,000 feet, lumber production and lumber stocks were the only items for which information was obtained. Except for the data shown in tables 6-C through 6-K in this report, no data on the operations of these small mills are included in this or any other Census of Manufactures volume.

The information contained in tables 1 through 5, and 6-A is comparable with 1939, except for the effect of more extensive field work in 1947. Mills reporting value of products of \$5,000 or more in 1939 were included, while, as explained above, 200,000 feet of lumber production was used as the cut-off for 1947. It is believed that the two criteria are roughly comparable.

The 1947 lumber production data are not strictly comparable with those shown for 1939 and earlier years. While the 1947 data includes production of lumber of all known sawmills regardless of the quantity sawed, the 1939 data do not cover mills that sawed less than 50,000 feet of lumber. Also, the intensive search to locate mills during the 1947 census resulted in the location of thousands of additional small mills. The effect on the comparability of regional production statistics cannot be measured. However, it is greatest where the small mills account for a larger portion of the total lumber produced. Data shown for 1942 and subsequent years are generally comparable.

The value of products and cost of materials figures contain some duplication due to the inclusion of separately owned planing mills primarily engaged in producing surfaced lumber and standard working patterns from purchased lumber. For example, a sawmill producing rough lumber would show the cost of logs under cost of materials and the amount received for the rough lumber under value of shipments. If this rough lumber is purchased by a separately operated planing mill, the planing mill report would show under cost of materials the cost of rough lumber. Also, the amount received for the sale of the dressed lumber would be shown in value of shipments for the planing mill. Since cost of materials and value of shipments are summarized for the entire industry this results in duplication for these items.

The statistics have certain other limitations arising from reporting problems resulting from practices which are inherent in the industry. Among the small mills (those producing less than 1,000,000 board feet of lumber) bookkeeping is generally inadequate. The amount of employment, wages, cost of materials, etc., is sometimes estimated. Also, the total amount of lumber sawed and species breakdown for small mills must frequently be estimated. In some instances when mills changed hands in the course of the year or were idle at the time of enumeration, estimates were accepted from concentration yards, neighbors, etc.

Reports on lumber production in Alaska were collected cooperatively by the Forest Service, Department of Agriculture.

**Veneer Mills** (*Standard Industrial Classification No. 2422.*)—This industry comprises establishments primarily engaged in producing veneer of all types and grades. Establishments primarily engaged in the production of veneer which is

used in the same establishment for the manufacture of products such as plywood are classified in Industry 2432, fruit and vegetable baskets in Industry 2441, wooden boxes in Industry 2444, and cigar boxes in Industry 2443. The Standard Industrial Classification definition limits this industry to establishments producing commercial veneer, either face or technical. This definition is interpreted to cover all grades including technical, fancy, and container.

Manufacturers of matched and dimensioned veneers who purchase veneer for the purpose of matching pieces with like or contrasting grain patterns and then joining these pieces by splicing to form dimensioned sheets, for sale to furniture and cabinet makers, have been included in this industry. The resulting duplication in cost of materials and value of shipments is not significant.

The Bureau of the Census published monthly statistics on veneer production covering the period September 1942–September 1945. These monthly data are not comparable with the 1947 data shown in table 6–L because the 1947 figures represent veneer in only selected industries, while the monthly figures included production in all industries. Both reports include production for sale as well as that produced and consumed in further manufacture in the producing plant.

**Shingle Mills** (*Standard Industrial Classification No. 2423.*)—This industry comprises establishments primarily engaged in producing wood shingles, including shake operations.

As explained in the General Explanations—"Establishments covered—minimum size limit," the 1947 Census of Manufactures data are, in general, restricted to establishments having any paid employees during the year. For the

shingle mills industry, this limitation applies to the general statistics. However, production data were collected for 1947 from all known shingle mills regardless of size. Statistics on the total production of shingles and shakes are presented in table 6–M. The 1947 production statistics are not strictly comparable with those for 1939 since the 1939 production figures do not include those mills that cut less than approximately 625 squares during the year. The contribution of these small operators to the production is believed to be insignificant.

**Cooperage Stock Mills** (*Standard Industrial Classification No. 2424.*)—This industry comprises establishments primarily engaged in producing cooperage stock, including staves, headings, and hoops for tight or slack cooperage, whether produced by sawing or splitting. Establishments primarily engaged in manufacturing barrels and other coopered products from stock produced in the same establishment are classified in Industry 2445.

Some manufacturers of cooperage stock receive rough staves and headings from affiliated stave and heading mills and merely finish such staves and headings. These manufacturers have been included, so that, to some extent, their value of shipments represents a partial duplication. This duplication is not, however, significant enough to affect materially the data for the industry.

**Excelsior Mills** (*Standard Industrial Classification No. 2425.*)—This industry includes establishments primarily engaged in manufacturing excelsior, wood-wool, and excelsior pads and wrappers. Practically all the production of wood-excelsior products is concentrated in this industry.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work <sup>2</sup>	Value of products shipped <sup>3</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Sawmills and planing mills, general:</b>								
1947, total	10,039	380,456	\$746,557	383,673	\$683,773	\$1,476,467	\$1,024,206	\$2,500,673
Sawmills, producing 1,000 M feet b.m. or more lumber, and planing mills	8,575	310,095	662,460	294,212	599,676	1,329,095	932,184	2,261,279
Sawmills, producing 200 M to 1,000 feet b.m. of lumber, and lath mills	10,464	69,461	84,097	69,461	84,097	147,372	92,022	239,394
1939	7,320	n.a.	n.a.	248,274	201,902	395,691	301,646	697,837
<b>Veneer mills:</b>								
1947	156	10,461	20,441	9,722	17,248	36,858	30,565	67,423
1939	139	n.a.	n.a.	7,784	5,033	11,873	8,769	20,642
<b>Shingle mills:</b>								
1947	184	2,446	7,321	2,446	7,321	15,465	10,759	26,254
1939	226	n.a.	n.a.	3,762	4,814	7,038	6,265	13,303
<b>Cooperage stock mills:</b>								
1947	250	12,291	20,253	11,739	17,984	27,191	27,941	55,132
1939	320	n.a.	n.a.	8,464	4,514	9,012	6,478	15,490
<b>Excelsior mills:</b>								
1947	59	1,161	2,579	1,085	2,319	4,495	3,013	7,508
1939	53	1,045	913	925	700	1,506	1,381	2,987
1937	52	1,037	892	960	730	1,698	1,335	3,033
1935	48	908	675	831	632	1,413	1,031	2,444
1933	50	878	540	809	432	1,231	863	2,094
1931	61	n.a.	n.a.	927	683	1,571	1,412	2,983
1929	66	1,337	1,491	1,241	1,219	2,569	2,440	5,009
1927	64	1,391	1,494	1,272	1,181	2,274	2,547	4,821
1925	72	1,430	1,520	1,300	1,180	2,328	2,573	4,901
1923	75	1,416	1,519	1,285	1,206	2,596	2,766	5,362
1921	79	1,200	1,217	1,087	978	1,458	2,755	4,213
1919	95	1,410	1,471	1,242	1,145	2,391	2,522	4,913
1914	99	1,312	733	1,177	558	1,112	1,403	2,515
1909	109	n.a.	n.a.	1,003	397	849	816	1,665

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>2</sup> Figures for years prior to 1935 do not include cost of contract work. See GENERAL EXPLANATIONS—Value of products shipped.

<sup>3</sup> For 1947 and 1920, value of products shipped; for all other years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.

<sup>4</sup> The 1939 returns for the discontinued classifications "Sawmills, veneer mills, and cooperage stock mills, including those combined with logging camps and with planing mills" and "Planing mills not operated in conjunction with sawmills" have been retabulated to provide figures comparable with those for 1947. See text for discussion of comparative 1939–47 coverage in the sawmill industry. No comparable data are available for prior years.

<sup>5</sup> Prior to 1909, "Excelsior mills" was combined with "Artificial leather."

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Sawmills and planing mills, general, total<sup>1 2</sup></b>	19,039	380,456	\$746,557	363,673		\$683,773	\$1,476,467	\$1,024,206	\$2,500,673	
New England.....	1,011	10,697	21,365	10,272		20,019	35,295	23,732	50,027	
New Hampshire.....	265	2,475	5,032	2,379		4,690	8,468	5,282	13,750	
Connecticut.....	26	128	248	127		245	466	220	686	
Middle Atlantic.....	1,077	10,360	18,981	9,973		17,618	33,259	19,532	52,791	
Pennsylvania.....	734	6,643	11,515	6,428		10,707	19,130	10,070	29,200	
East North Central.....	1,245	14,810	29,241	14,098		26,957	53,173	30,400	83,633	
Ohio.....	333	3,012	3,502	1,934		3,301	6,977	4,649	11,626	
Indiana.....	170	1,725	3,137	1,673		2,962	5,339	3,876	9,215	
Wisconsin.....	330	4,132	7,880	3,932		7,220	15,522	8,306	23,828	
West North Central.....	589	4,445	7,495	4,231		6,800	12,973	10,533	23,506	
Iowa.....	27	251	468	239		450	743	660	1,403	
Missouri.....	263	2,083	3,172	1,993		2,792	5,939	5,520	11,459	
South Atlantic.....	6,434	98,737	135,250	95,742		125,435	257,312	240,425	497,737	
Virginia.....	1,226	17,901	24,012	17,440		22,933	45,958	40,823	80,781	
West Virginia.....	436	6,664	11,095	6,364		10,692	18,607	9,041	27,738	
North Carolina.....	1,602	22,226	31,409	21,342		28,017	50,653	58,280	114,933	
South Carolina.....	769	14,744	18,759	14,232		17,299	38,447	38,376	70,823	
Georgia.....	1,797	25,826	31,189	25,322	n.a.	29,581	65,157	71,836	130,903	n.a.
Florida.....	321	9,124	14,108	8,838		13,244	26,935	17,956	44,891	
East South Central.....	3,582	66,742	90,443	64,652		83,760	184,734	162,252	340,986	
Kentucky.....	424	5,539	8,039	5,351		7,452	12,751	9,094	21,845	
Tennessee.....	790	9,146	13,256	8,810		12,125	25,275	17,647	42,922	
Alabama.....	1,466	31,355	39,820	30,482		37,083	84,171	75,500	150,671	
Mississippi.....	902	20,702	29,328	20,009		27,100	62,637	60,011	122,548	
West South Central.....	1,877	63,983	101,304	61,595		93,761	185,735	130,911	322,646	
Arkansas.....	689	20,126	32,859	19,292		30,275	60,533	45,068	105,001	
Louisiana.....	505	21,667	34,040	20,813		31,010	59,688	47,215	100,803	
Oklahoma.....	39	701	1,040	676		1,980	1,842	1,352	3,194	
Texas.....	644	21,489	33,365	20,814		31,490	63,772	43,276	107,048	
Mountain.....	783	17,117	43,918	15,925		40,243	83,525	41,454	124,979	
Idaho.....	197	7,150	20,289	6,683		18,434	41,528	20,023	61,551	
Wyoming.....	65	689	1,473	657		1,385	2,656	556	3,212	
New Mexico.....	82	1,527	3,144	1,495		3,066	5,826	4,122	9,048	
Utah.....	62	301	577	201		557	953	334	1,287	
Pacific.....	2,441	93,565	293,560	87,215		269,180	630,401	358,907	989,368	
Oregon.....	1,184	41,337	132,154	38,644		119,688	290,490	173,057	460,547	
California.....	642	25,375	84,200	23,488		75,615	155,613	74,637	230,150	
<b>Sawmills (1,000 M bd. ft. and over) and planing mills, total<sup>1</sup></b>	8,575	310,995	662,460	294,212	607,173	599,676	1,329,095	932,184	2,261,279	\$110,617
New England.....	428	7,509	16,022	7,084	16,249	14,676	25,095	18,270	44,175	1,789
Maine.....	166	3,590	7,589	3,405	7,873	7,003	11,599	6,817	18,410	711
New Hampshire.....	130	1,786	3,800	1,690	3,770	3,518	6,498	4,108	10,606	255
Vermont.....	71	1,405	2,800	1,327	3,267	2,595	5,123	3,596	8,719	568
Massachusetts.....	49	671	1,646	606	1,236	1,376	2,442	3,524	5,960	205
Middle Atlantic.....	328	5,771	11,862	5,384	11,530	10,409	20,395	12,590	32,955	1,719
New York.....	117	2,293	4,946	2,128	4,708	4,420	9,702	6,280	15,982	816
New Jersey.....	10	152	374	145	287	345	450	498	948	45
Pennsylvania.....	201	3,326	6,542	3,111	6,535	5,734	10,243	5,782	19,025	858
East North Central.....	360	10,240	22,299	9,528	19,986	20,015	39,023	22,750	62,673	2,784
Ohio.....	61	925	1,820	847	1,849	1,625	3,156	2,825	5,981	132
Indiana.....	43	704	1,631	712	1,403	1,456	2,780	2,251	5,031	265
Illinois.....	33	408	874	437	831	780	1,331	1,018	2,349	83
Michigan.....	116	5,044	11,705	4,693	9,953	10,551	20,391	10,128	30,519	1,473
Wisconsin.....	97	3,039	6,263	2,839	5,890	5,603	12,265	6,528	18,793	831
West North Central.....	195	2,764	5,145	2,550	5,092	4,450	8,712	8,119	16,831	575
Minnesota.....	67	752	1,421	686	1,370	1,280	1,964	1,853	3,817	241
Missouri.....	103	1,367	2,376	1,277	2,523	1,996	4,268	4,527	8,795	236
South Dakota.....	17	449	890	422	864	825	1,736	723	2,708	60
South Atlantic.....	2,643	69,711	104,954	66,718	137,051	95,130	206,528	200,807	413,335	13,407
Delaware.....	9	118	164	110	184	151	423	128	551	22
Maryland.....	54	1,032	1,654	992	1,921	1,628	2,737	2,589	5,326	306
Virginia.....	469	11,548	18,299	11,087	21,927	16,320	34,520	34,919	69,439	2,202
West Virginia.....	120	4,417	8,734	4,117	9,199	7,761	13,780	6,673	20,453	996
North Carolina.....	616	15,581	24,282	14,697	29,895	21,490	44,609	40,228	93,027	3,372
South Carolina.....	406	11,575	15,770	11,063	22,188	14,310	33,306	34,614	67,920	1,910
Georgia.....	772	17,220	23,036	16,716	34,276	21,428	62,037	62,115	114,152	3,097
Florida.....	197	8,220	13,015	7,934	17,461	12,151	25,026	16,541	41,567	1,602
East South Central.....	1,599	52,217	76,339	50,127	106,370	69,656	160,502	144,603	305,105	9,920
Kentucky.....	131	3,327	5,553	3,139	6,235	4,966	8,012	6,827	15,439	524
Tennessee.....	252	5,915	9,899	5,579	11,512	8,768	19,158	13,418	32,576	1,115
Alabama.....	760	25,404	34,340	24,531	50,340	31,603	75,038	69,190	144,228	4,698
Mississippi.....	456	17,571	26,547	16,878	38,283	24,319	57,694	55,168	112,862	3,683
West South Central.....	1,121	58,093	94,946	55,585	119,426	87,403	175,344	129,391	304,735	12,771
Arkansas.....	350	17,891	30,421	17,027	37,329	27,837	50,501	42,041	98,542	4,009
Louisiana.....	331	19,833	32,084	18,979	39,376	29,054	56,542	45,307	101,939	3,846
Oklahoma.....	16	535	863	510	1,073	803	1,491	1,082	2,573	109
Texas.....	424	19,744	31,578	19,069	41,648	29,709	60,810	40,871	101,081	3,907
Mountain.....	347	14,941	40,235	13,749	26,925	36,560	76,850	38,624	115,474	7,562
Montana.....	93	3,499	9,258	3,273	6,022	8,410	15,952	8,605	24,557	2,095
Idaho.....	111	6,775	19,627	6,308	12,621	17,772	40,148	19,356	59,504	2,584
Wyoming.....	26	510	1,184	478	959	1,096	2,136	375	2,511	263
Colorado.....	34	825	1,855	778	1,499	1,713	3,124	1,526	4,650	384
New Mexico.....	36	1,209	2,758	1,177	2,157	2,680	5,181	3,840	9,021	342
Arizona.....	35	1,976	5,258	1,598	3,411	4,614	9,903	4,760	14,663	1,864
Utah.....	12	147	295	137	255	275	400	162	568	80
Pacific.....	1,564	89,839	290,658	83,489	164,544	261,278	614,936	351,060	965,996	60,110
Washington.....	360	25,758	80,021	23,988	46,049	71,792	174,128	108,560	282,688	15,084
Oregon.....	771	39,651	128,560	36,958	72,138	115,994	288,989	169,628	468,017	26,422
California.....	433	24,430	82,077	22,543	46,357	73,492	151,819	72,872	224,691	18,604

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Sawmills (200 M to 1,000 M bd. ft.) and lath mills, total<sup>1</sup></b>	10,464	69,461	\$84,097	69,461		\$84,097	\$147,372	\$92,022	\$239,394	
New England.....	583	3,188	5,343	3,188		5,343	9,390	5,462	14,852	
New Hampshire.....	135	689	1,172	689		1,172	1,970	1,174	3,144	
Middle Atlantic.....	749	4,589	7,119	4,589		7,119	12,864	6,972	19,836	
Pennsylvania.....	533	3,317	4,973	3,317		4,973	8,887	4,288	13,175	
East North Central.....	895	4,570	6,942	4,570		6,942	13,250	7,710	20,960	
Ohio.....	272	1,087	1,676	1,087		1,676	3,821	1,824	5,645	
Indiana.....	127	901	1,506	901		1,506	2,559	1,625	4,184	
Wisconsin.....	233	1,093	1,617	1,093		1,617	3,257	1,778	5,035	
West North Central.....	394	1,681	2,350	1,681		2,350	4,261	2,414	6,675	
Iowa.....	21	147	293	147		293	421	364	785	
Missouri.....	160	716	796	716		796	1,671	993	2,664	
South Atlantic.....	3,791	29,026	30,296	29,026		30,296	50,784	33,618	84,402	
Virginia.....	757	6,353	6,613	6,353		6,613	11,438	5,904	17,342	
West Virginia.....	316	2,247	2,931	2,247		2,931	4,917	2,368	7,285	
North Carolina.....	1,076	6,645	7,127	6,645		7,127	11,954	9,052	21,006	
South Carolina.....	363	3,169	2,989	3,169		2,989	5,141	3,762	8,903	
Georgia.....	1,025	8,606	8,153	8,606		8,153	13,120	9,721	22,841	
Florida.....	124	904	1,093	904	n.a.	1,093	1,909	1,415	3,324	n.a.
East South Central.....	1,983	14,525	14,104	14,525		14,104	24,232	17,649	41,881	
Kentucky.....	293	2,212	2,486	2,212		2,486	4,139	2,267	6,406	
Tennessee.....	538	3,231	3,357	3,231		3,357	6,117	4,229	10,346	
Alabama.....	706	5,951	5,480	5,951		5,480	9,133	6,310	15,443	
Mississippi.....	446	3,131	2,781	3,131		2,781	4,843	9,686		
West South Central.....	756	5,980	6,358	5,980		6,358	10,391	7,520	17,911	
Arkansas.....	339	2,235	2,438	2,235		2,438	4,032	3,027	7,059	
Louisiana.....	174	1,834	1,956	1,834		1,956	3,046	1,818	4,864	
Oklahoma.....	23	166	177	166		177	351	270	621	
Texas.....	220	1,745	1,787	1,745		1,787	2,962	2,405	5,367	
Mountain.....	436	2,176	3,083	2,176		3,083	6,675	2,830	9,505	
Idaho.....	86	375	662	375		662	1,380	667	2,047	
Wyoming.....	39	179	289	179		289	520	181	701	
New Mexico.....	46	318	386	318		386	645	282	927	
Utah.....	40	154	282	154		282	547	172	719	
Pacific.....	877	3,726	7,902	3,726		7,902	15,525	7,847	23,372	
Oregon.....	413	1,686	3,594	1,686		3,594	7,501	3,429	10,930	
<b>Veneer mills, total<sup>1</sup></b>	156	10,461	20,441	9,722	20,648	17,248	36,858	30,565	67,423	\$3,702
Northeast and North Central.....	27	2,439	5,993	2,170	4,914	4,759	11,835	10,294	22,129	990
Indiana.....	10	924	2,240	820	1,898	1,767	4,766	2,957	7,723	436
South and West.....	129	8,022	14,448	7,552	15,734	12,489	25,023	20,271	45,294	2,712
Virginia.....	5	213	377	197	396	310	1,051	1,211	2,282	55
North Carolina.....	21	953	1,857	894	1,949	1,612	3,351	3,608	6,069	414
Georgia.....	13	894	1,342	837	1,773	1,123	2,017	1,896	3,913	251
Kentucky.....	4	595	1,441	528	1,203	1,089	2,730	2,600	4,330	129
Alabama.....	17	1,034	1,618	990	1,793	1,360	2,477	1,913	4,390	222
Mississippi.....	9	620	1,161	589	1,423	1,044	1,917	1,315	3,232	417
Louisiana.....	8	494	782	466	932	692	1,214	901	2,115	235
<b>Shingle mills, total<sup>1</sup></b>	184	2,446	7,321	2,446		7,321	15,465	10,789	26,254	
West.....	184	2,446	7,321	2,446	n.a.	7,321	15,465	10,789	26,254	n.a.
Washington.....	103	1,696	5,165	1,696		5,165	10,703	7,863	18,566	
Oregon.....	47	578	1,738	578		1,738	4,023	2,626	6,549	
<b>Cooperage stock mills, total<sup>1</sup></b>	250	12,291	20,253	11,739	22,928	17,984	27,191	27,941	55,132	1,376
Northeast.....	7	112	225	106	220	201	191	263	454	63
North Central.....	49	1,051	1,977	953	1,664	1,546	2,981	4,549	7,530	146
Illinois.....	7	174	348	165	275	281	898	723	1,621	15
South and West.....	194	11,128	18,051	10,680	21,044	16,237	24,019	23,129	47,148	1,167
Virginia.....	13	251	305	244	412	296	350	275	625	16
Kentucky.....	28	1,000	1,546	940	1,611	1,306	2,436	2,957	5,393	74
Tennessee.....	25	2,212	3,410	2,153	3,944	3,169	5,634	5,204	10,838	171
Mississippi.....	28	1,409	2,030	1,359	1,880	1,580	2,301	1,439	3,740	194
Arkansas.....	32	1,922	3,305	1,858	3,707	2,839	3,453	5,062	8,515	128
Louisiana.....	16	1,428	2,179	1,371	2,775	1,941	3,147	2,135	5,282	264
<b>Excelsior mills, total<sup>1</sup></b>	56	1,161	2,679	1,085	2,493	2,319	4,495	3,013	7,508	235
Northeast and North Central.....	16	586	1,630	549	1,333	1,402	2,732	1,612	4,344	124
South.....	29	488	837	464	995	748	1,480	1,089	2,569	85
Virginia.....	14	119	199	116	263	191	445	371	816	23
West.....	11	87	212	72	165	160	283	312	595	26

n.a.—Not available.

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments, and in parentheses, the number of employees for States represented by three or more companies, when possible.<sup>2</sup> Represents a recapitulation of all items reported by "Sawmills (1,000 M bd. ft. and over) and planing mills" and "Sawmills (200 M to 1,000 M bd. ft.) and lath mills" for which separate data are shown below.**Sawmills and planing mills:** New England, Maine, 408 (4,974); Vermont, 191 (2,075); Massachusetts, 118 (1,018); Rhode Island, 5 (27); Middle Atlantic, New York, 317 (3,451); New Jersey, 26 (209); East North Central, Illinois, 98 (898); Michigan, 314 (6,043); West North Central, Minnesota, 265 (1,475); South Dakota, 27 (519); Kansas, 6 (117); South Atlantic, Delaware, 37 (410); Maryland, 156 (1,830); Mountain, Montana, 189 (3,968); Colorado, 145; Arizona, 51 (2,067); Nevada, 2; Pacific, Washington, 615 (26,853).**Sawmills (1,000 M bd. ft. and over):** New England, Rhode Island, 4 (16); Connecticut, 8 (41); West North Central, Iowa, 6; Kansas, 2.**Sawmills (200 M to 1,000 M bd. ft.):** New England, Maine, 240 (1,384); Vermont, 120 (670); Massachusetts, 69 (347); Rhode Island, 1; Connecticut, 18; Middle Atlantic, New York, 200 (1,158); New Jersey, 16 (114); East North Central, Illinois, 65 (430); Michigan, 193 (999); West North Central, Minnesota, 199 (723); South Dakota, 10 (70); Kansas, 4 (25); South Atlantic, Delaware, 28 (298); Maryland, 102 (894); Mountain, Montana, 96 (469); Colorado, 111 (586); Arizona, 16; Nevada, 2; Pacific, Washington, 265 (1,095); California, 200 (946).**Veneer mills:** Northeast and North Central, Vermont, 1; New York, 1; New Jersey, 1; Pennsylvania, 1; Ohio, 2; Illinois, 2; Michigan, 2; Wisconsin, 5 (482); Missouri, 2; South and West, West Virginia, 1; South Carolina, 20 (1,154); Florida, 5 (304); Tennessee, 6 (565); Arkansas, 3 (222); Texas, 5 (204); Washington, 1; Oregon, 6 (367); California, 5.**Shingle mills:** West, Montana, 1; Idaho, 8; California, 25 (95).**Cooperage stock mills:** Northeast, Maine, 3; New York, 1; Pennsylvania, 3; North Central, Ohio, 6 (138); Indiana, 3; Wisconsin, 2; Minnesota, 1; Missouri, 30; South and West, Maryland, 2; West Virginia, 10 (175); North Carolina, 4 (209); South Carolina, 1; Georgia, 1; Florida, 3; Alabama, 23 (1,275); Texas, 5 (290); Colorado, 1; Washington, 1; Oregon, 1.**Excelsior mills:** Northeast and North Central, New Hampshire, 3 (82); Massachusetts, 2; New York, 3 (45); Pennsylvania, 1; Indiana, 2; Michigan, 1; Wisconsin, 4; South, Delaware, 1; Maryland, 1; North Carolina, 4 (25); Georgia, 2; Tennessee, 2; Alabama, 3 (95); Arkansas, 2; West, Arizona, 1; Utah, 3 (25); Washington, 1; Oregon, 1; California, 5 (7).

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

ITEM	Industry						
	Sawmills and planing mills, general			Veneer mills	Shingle mills	Cooperage stock mills	Excelsior mills
	Total	Sawmills (1,000 M bd. ft. and over) and planing mills	Sawmills (200 M to 1,000 M bd. ft.) and lath mills				
Number of establishments.....	19,039	8,575	10,464	156	184	250	56
All employees.....	380,456	310,995	69,461	10,461	2,446	12,291	1,161
Number (average for the year).....	\$746,557	\$682,460	\$84,097	\$20,441	\$7,321	\$20,263	\$2,579
Salaries and wages, total.....							
Production and related workers:							
Number (average for the year).....	1,363,673	294,212	1,069,461	9,722	2,446	11,730	1,085
Man-hours, total.....	n.a.	607,173	n.a.	20,648	n.a.	22,928	2,403
Wages, total.....	\$683,773	\$599,676	\$84,097	\$17,248	\$7,321	\$17,084	\$2,310
Value added by manufacture.....	\$1,476,467	\$1,329,095	\$147,372	\$36,858	\$15,465	\$27,191	\$4,495
Number of employees for pay period ended nearest Oct. 15:							
All employees.....	393,575	322,871	70,704	10,566	2,727	9,633	1,202
Male.....	386,826	316,122	70,704	9,032	2,727	9,393	1,058
Female.....	6,749	6,749		1,534		270	144
Production and related workers.....	1,375,550	304,846	1,070,704	9,799	2,727	9,170	1,122
Male.....	1,373,282	302,558	1,070,704	8,432	2,727	8,078	1,002
Female.....	2,268	2,288		1,367		192	120
Force-account construction workers.....	11,680	1,680		28		15	
Administrative, supervisory, sales, and all other.....	116,345	16,345		739		448	80
Male.....	111,886	11,886		572		370	56
Female.....	4,459	4,459		167		78	24
All employees, number by month:							
January.....	350,579	287,480	63,099	9,964	1,977	14,537	1,108
February.....	358,982	292,049	66,933	10,046	2,029	14,604	1,157
March.....	368,273	298,244	68,029	10,466	2,200	14,493	1,199
April.....	370,263	306,188	70,075	10,493	2,370	14,026	1,191
May.....	384,396	313,653	70,743	10,566	2,600	13,012	1,217
June.....	385,379	314,932	70,447	10,643	2,600	13,196	1,215
July.....	389,649	319,048	70,601	10,168	2,513	12,587	1,186
August.....	395,716	324,021	71,695	10,461	2,598	11,803	1,167
September.....	393,677	322,410	71,267	10,546	2,098	10,723	1,160
October.....	398,575	322,871	70,704	10,566	2,727	9,633	1,202
November.....	386,244	317,388	68,856	10,662	2,702	9,273	1,203
December.....	378,858	312,170	66,688	10,790	2,456	8,808	1,202
Cost of materials, fuel, electricity, and contract work.....	\$1,024,206	\$932,184	\$92,022	\$30,565	\$10,789	\$27,941	\$3,013
Timber cut.....	236,891	195,179	41,712	3,385	930	10,404	
Logs purchased.....	247,549	229,707	17,842	21,866	8,500	9,513	2,860
All other materials, parts, containers, and supplies.....	400,170	386,388	13,782	3,477	958	5,955	
Fuels, total.....	39,035	28,343	10,692	480	111	333	43
Bituminous coal.....	1,228	1,047	181	261		9	34
Fuel oils.....	9,507	6,735	2,772	65	32	65	3
Gas.....							1
Other fuels.....	28,300	20,561	7,739	170	79	250	5
Purchased electric energy.....	8,919	8,247	672	527	97	168	53
Contract and commission work.....	91,642	84,320	7,322	824	193	1,508	57
Value of inventories:							
Beginning of year, total.....		\$226,296		\$5,230		\$24,405	\$1,334
Finished products.....		131,328		2,097		5,968	56
Materials, supplies, and work in process.....		94,968		3,133		18,437	1,278
End of year, total.....		297,076		6,565		31,008	1,540
Finished products.....		177,768		3,157		9,456	80
Materials, supplies, and work in process.....		119,308		3,408		21,552	1,460
Expenditures for plant and equipment:							
New plant and equipment.....		\$110,617		\$3,702		\$1,376	\$235
Construction and major alteration of fixed plants.....		35,298		1,242		225	70
Buildings.....		21,005		1,081		180	18
Other construction.....		14,293		161		45	52
Machinery and equipment.....		75,319		2,460		1,151	105
Production machinery and equipment.....		60,408		2,117		584	131
Other machinery and equipment.....		24,911		343		567	34
Used plant and equipment, and land.....	n.a.	22,871	n.a.	234	n.a.	1,201	27
Number of highway-type motor vehicles owned or leased:							
Trucks.....		21,349		278		791	78
By manufacturer's rated capacity:							
Under 1½ tons.....		4,952		63		191	17
1½ tons.....		9,632		148		411	38
Over 1½ tons and less than 3½ tons.....		5,028		56		182	21
3½ tons and less than 5 tons.....		725		5		5	
5 tons and over.....		1,012		6		2	2
By body type:							
Van.....		480		6		10	4
Stake or platform.....		10,994		160		355	54
Panel or light delivery.....		3,538		36		176	14
All other trucks.....		6,328		76		250	6
Truck tractors.....		6,854		117		63	8
Trailers and semitrailers.....		7,250		123		67	9

n.a.—Not available.

<sup>1</sup> For mills producing between 200 M and 1,000 M feet b.m. of lumber and shingle mills employment data were not broken down between production and related workers and other types of employees nor was separate information requested on sex of workers. An analysis of past data indicated that practically all employees in these mills were male production workers; consequently the respective figures shown in this table for the small sawmills and the totals for the large and small sawmills combined, as well as shingle mills, include only an insignificant amount of error.

<sup>2</sup> Includes 215 tank-type bodies.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Sawmills and planing mills, general:</b>											
Number of establishments.....	10,030	5,160	5,348	4,509	2,618	806	460	97	32	9	
Number of employees (average for the year).....	380,456	13,683	35,464	61,362	77,349	54,858	68,957	33,564	21,057	14,102	
Value added by manufacture.....	\$1,470,407	\$40,526	\$95,802	\$102,067	\$258,463	\$213,464	\$319,803	\$166,474	\$117,945	\$95,023	
<b>Veneer mills:</b>											
Number of establishments.....	150	3	5	12	52	49	34	1			
Number of employees (average for the year).....	10,461	10	30	176	1,815	3,369	5,065	(d)			
Value added by manufacture.....	\$36,858	\$53	\$125	\$584	\$5,395	\$10,594	\$20,107	(d)			
<b>Shingle mills:</b>											
Number of establishments.....	184	84	37	24	28	10	1				
Number of employees (average for the year).....	2,440	176	234	334	801	811	(d)				
Value added by manufacture.....	\$15,465	\$1,076	\$1,181	\$1,053	\$5,592	\$5,663	(d)				
<b>Cooperage stock mills:</b>											
Number of establishments.....	250	19	34	55	74	46	15	4	2	1	
Number of employees (average for the year).....	12,291	51	243	804	2,368	3,040	1,977	1,242	2,566	(d)	
Value added by manufacture.....	\$27,191	\$227	\$1,408	\$1,840	\$5,303	\$6,278	\$3,296	\$2,179	\$6,600	(d)	
<b>Excelsior mills:</b>											
Number of establishments.....	50	13	12	13	13	3	2				
Number of employees (average for the year).....	1,161	33	73	173	888	(d)	(d)				
Value added by manufacture.....	\$4,405	\$94	\$277	\$524	\$3,600	(d)	(d)				

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

SAWMILLS AND PLANING MILLS, GENERAL	Shipped by—			VENEER MILLS	Shipped by—		
	Sawmills and planing mills, general	Other industries	All industries		Veneer mills	Other industries	All industries
<b>Total shipments by the industry.....</b>	<b>\$2,500,673</b>			<b>Total shipments by the industry.....</b>	<b>\$67,423</b>		
A. Primary products of the industry.....	2,280,097	\$40,245	\$2,320,342	A. Veneer.....	61,172	\$12,188	\$73,360
Rough lumber and sawed ties.....	1,012,698	7,854	920,452	Hardwood veneer.....	53,800	9,410	63,210
Hardwood furniture dimension.....	20,059	1,218	30,877	Softwood veneer.....	7,732	2,778	10,510
Hardwood dimension, other than furniture.....	13,300	1,203	14,503	Other.....	(d)	(d)	(d)
Softwood dimension.....	10,480	3,127	22,613	B. Secondary products.....	5,324		
Dressed lumber (excluding flooring).....	1,168,394	17,368	1,185,762	Rough lumber and sawed ties.....	3,546		
Softwood flooring.....	40,997	1,522	51,519	Other secondary products.....	1,778		
Hardwood flooring.....	70,001	2,302	72,303	C. Miscellaneous receipts.....	927		
General sawmill and planing mill products, not elsewhere classified.....	7,271	608	7,879				
General sawmill and planing mill products, not specified by kind.....	9,841	4,803	14,644	<b>SHINGLE MILLS</b>			
B. Secondary classes of products.....	138,242						
Shook; fruit, vegetable, industrial, etc. <sup>2</sup> .....	31,123			<b>Total shipments by the industry.....</b>	<b>\$26,254</b>	<b>\$4,287</b>	<b>\$30,541</b>
Logs.....	38,440			A. Shingles and shakes.....	26,254		
Hardwood veneer.....	2,006			B. Secondary products.....			
Shingles and shakes.....	4,300			C. Miscellaneous receipts.....			
Cooperage stock.....	1,300						
Sash, other than storm sash.....	2,112			<b>COOPERAGE STOCK MILLS</b>			
Window and door frames.....	4,545						
Doors, general construction, interior and exterior.....	1,547			<b>Total shipments by the industry.....</b>	<b>\$55,132</b>	<b>\$4,500</b>	<b>\$59,632</b>
Softwood plywood, interior types.....	4,048			A. Cooperage stock.....	52,302		
Softwood plywood, exterior types.....	1,621			B. Secondary products.....	2,223		
Prefabricated dwellings.....	1,003			C. Miscellaneous receipts.....	607		
Other secondary products.....	40,080						
C. Miscellaneous receipts.....	81,734			<b>EXCELSIOR MILLS</b>			
Contract and commission work.....	71,445						
Scrap and salable refuse.....	9,661			<b>Total shipments by the industry.....</b>	<b>\$7,508</b>	<b>\$257</b>	<b>\$7,765</b>
Nonmanufacturing activities.....	628			A. Excelsior products.....	7,344		
				B. Secondary products.....			
				C. Miscellaneous receipts.....	164		

<sup>1</sup> Includes \$213 million value of products shipped by mills sawing 200 M to 1,000 M feet b.m. of lumber. Practically all products shipped by small mills consist of rough lumber.

<sup>2</sup> For total production of box shook, see Census of Manufactures report, MC24C, "Wooden Containers," tables 5 and 6.

<sup>3</sup> Represents a variety of products.

<sup>4</sup> Other veneer combined with softwood veneer to avoid disclosing figures for individual companies.



TABLE 6-A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
<b>Sawmill and planing mill products.....</b>			<b>\$2,320,942</b>		<b>\$612,017</b>
Rough lumber and sawed ties.....	M ft. b.m.	<sup>1</sup> 16,559,933	920,452	10,325,205	215,089
Rough lumber, except railway cross ties and mine ties.....	do.	<sup>2</sup> 16,081,770	901,472	n.a.	n.a.
Railway cross ties.....	do.	<sup>3</sup> 439,838	<sup>4</sup> 17,442	n.a.	n.a.
Mine ties.....	do.	<sup>5</sup> 38,325	<sup>6</sup> 1,538	n.a.	n.a.
Hardwood furniture dimension.....	do.	169,375	30,877		
Hardwood dimension, other than furniture.....	do.	107,323	14,653		
Handle stock.....	do.	14,626	1,681	220,438	12,966
Other industrial dimension.....	do.	59,512	8,221		
Interior trim and moulding.....	do.	26,744	3,636		
Treads, risers and thresholds.....	do.	6,441	1,115		
Softwood dimension.....	do.	230,180	22,613	n.a.	n.a.
Furniture dimension.....	do.	45,803	4,208	n.a.	n.a.
Other industrial dimension.....	do.	184,377	18,405	n.a.	n.a.
Dressed lumber, excluding flooring.....	do.	10,956,640	1,185,762		
Softwood flooring.....	do.	632,663	51,519		
Hardwood flooring.....	do.	513,243	72,393	15,435,432	375,623
Oak.....	do.	392,788	57,892		
Maple.....	do.	62,736	8,808		
Other hardwoods.....	do.	57,719	5,693		
Sawmill and planing mill products, not elsewhere classified.....			7,939	n.a.	n.a.
Lath.....	M pieces	171,656	2,056	562,207	1,915
Other.....			5,883	n.a.	n.a.
Sawmill and planing mill products, not specified by type.....			14,734		6,424
<b>Veneer.....</b>			<b>73,360</b>	<b>n.a.</b>	<b>22,661</b>
Hardwood.....	M sq. ft. surf. meas.	2,761,912	63,210	n.a.	n.a.
Commercial or utility.....	do.	1,547,420	33,623	n.a.	n.a.
Fancy and figured.....	do.	550,482	17,838	n.a.	n.a.
Container.....	do.	596,014	9,369	n.a.	n.a.
Veneer, not specified by type.....	do.	67,996	2,380	n.a.	n.a.
Softwood.....	do.	592,319	8,749	n.a.	n.a.
Commercial or utility.....	do.	333,739	4,605	n.a.	n.a.
Fancy and figured.....	do.	( <sup>1</sup> )	( <sup>1</sup> )	n.a.	n.a.
Container.....	M sq. ft. surf. meas.	200,426	3,414	n.a.	n.a.
Veneer, not specified by type.....	do.	58,154	730	n.a.	n.a.
Other veneer, not specified by kind or type.....			1,401	n.a.	n.a.
<b>Shingles and shakes.....</b>	<b>Square.....</b>	<b>3,831,939</b>	<b>30,541</b>	<b>6,500,242</b>	<b>16,041</b>
<b>Cooperage stock.....</b>			<b>56,892</b>		<b>15,657</b>
Slack staves.....	M.	360,007	7,048		
Slack heading.....	M sets	37,005	5,374	n.a.	7,009
Slack hoops.....	M.	10,877	236		
Tight staves.....	do.	114,661	31,100		
Tight heading.....	M sets	9,319	10,964	n.a.	8,648
Other cooperage stock, not specified by type.....			1,670		
<b>Excelsior products.....</b>			<b>7,601</b>		<b>2,955</b>
Excelsior, baled or bulk.....	Short tons.	<sup>1</sup> 112,295	4,191	<sup>2</sup> 98,321	1,686
Excelsior pads and wrappers.....			<sup>3</sup> 3,410		<sup>4</sup> 1,269

n.a.—Not available.

<sup>1</sup> The footage of lumber and ties shipped by the small mills (those cutting between 200 M to 1,000 M feet b.m.) was estimated on the basis of the average value per thousand feet of rough lumber for the larger mills applied to the total value of shipments by the small mills for each State. The quantity thus estimated, amounted to approximately 22 percent of the national total of rough lumber and ties shipped.

<sup>2</sup> Includes a small amount of ties produced in small mills.

<sup>3</sup> Railway ties and mine ties produced by the small mills are not included in these figures but are included in the total footage and value figures above. See footnotes 1 and 2.

<sup>4</sup> Included in veneer, not specified by type, to avoid disclosing figures for individual companies.

<sup>5</sup> In addition, the following amounts of excelsior were produced and used as a material in plants manufacturing excelsior pads, etc.: 1947, 41,000 tons; 1939, 26,000 tons.

<sup>6</sup> Includes a small quantity of miscellaneous excelsior products not classifiable.



TABLE 6-B.—SAWMILL AND PLANING MILL PRODUCTS, QUANTITY AND VALUE FOR STATES BY BROAD CLASSES OF PRODUCTS: 1947

[Money figures in thousands of dollars; quantities in thousands of feet board measure. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other States or regions. A d appears in the column where the figure has been omitted and the combined figure is printed in italics]

DIVISION AND STATE	All products value of shipments f.o.b. mill	Rough lumber and sawed ties <sup>1</sup>		Hardwood furniture dimension <sup>2</sup>		Hardwood dimension, other than furniture <sup>2</sup>		Softwood dimension <sup>2</sup>		Dressed lumber, excluding flooring		Softwood flooring		Hardwood flooring		Other products <sup>2</sup> (value)
		Quantity shipped (M ft. b.m.)	Value f.o.b. mill	Quantity shipped (M ft. b.m.)	Value f.o.b. mill	Quantity shipped (M ft. b.m.)	Value f.o.b. mill	Quantity shipped (M ft. b.m.)	Value f.o.b. mill	Quantity shipped (M ft. b.m.)	Value f.o.b. mill	Quantity shipped (M ft. b.m.)	Value f.o.b. mill	Quantity shipped (M ft. b.m.)	Value f.o.b. mill	
<b>United States</b>	\$2,320,942	16,559,933	\$920,452	169,375	\$39,877	107,323	\$14,653	230,180	\$22,613	16,956,640	\$1,185,762	632,663	\$51,519	513,243	\$72,393	\$22,673
<b>New England</b>	56,210	602,253	39,327	5,670	532	21,399	2,770	1,456	155	121,977	9,511	26,707	2,114	7,820	1,292	489
Maine	22,435	205,162	16,132	1,402	170	13,121	1,712	(d)	(d)	54,960	3,549	7,839	455	(d)	(d)	(d)
New Hampshire	13,061	200,689	10,322	1,402	(d)	(d)	(d)	(d)	(d)	20,577	2,557	9,208	148	(d)	(d)	279
Vermont	11,905	124,366	7,486	(d)	412	8,878	1,058	(d)	(d)	23,401	2,149	2,250	(d)	4,672	(d)	(d)
Massachusetts	6,960	60,833	5,468	(d)	(d)	(d)	(d)	(d)	(d)	5,291	557	3,486	(d)	(d)	(d)	210
Rhode Island	11,168	(d)	873	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Connecticut	2,149	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	7,743	659	8,915	484	3,148	(d)	(d)
<b>Middle Atlantic</b>	54,676	621,753	40,484	4,640	453	6,699	954	2,905	362	81,584	7,893	20,317	1,883	13,016	1,853	994
New York	22,282	247,401	17,948	(d)	(d)	2,244	269	(d)	(d)	33,984	5,066	14,940	1,076	8,622	(d)	(d)
New Jersey	3,886	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Pennsylvania	28,508	374,357	22,536	(d)	(d)	4,455	685	(d)	(d)	27,600	2,827	5,777	607	7,494	1,076	(d)
<b>East North Central</b>	74,670	872,981	55,793	17,578	2,140	10,055	1,868	1,404	190	101,525	8,544	10,014	798	25,854	4,601	856
Ohio	11,226	144,544	7,069	1,486	280	3,783	(d)	(d)	(d)	14,817	1,137	(d)	(d)	9,143	1,688	(d)
Indiana	8,556	100,339	7,803	(d)	(d)	(d)	(d)	(d)	(d)	3,022	343	(d)	(d)	8,228	1,869	407
Illinois	3,924	47,553	2,521	(d)	(d)	1,960	417	(d)	(d)	39,419	3,063	(d)	(d)	(d)	(d)	449
Michigan	30,408	355,151	23,781	16,092	1,860	2,969	473	(d)	(d)	37,079	3,136	(d)	(d)	10,468	2,044	(d)
Wisconsin	20,556	225,392	14,599	(d)	(d)	1,403	141	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
<b>West North Central</b>	22,846	220,736	12,201	10,083	1,984	6,705	1,854	2,445	206	61,212	4,574	4,686	334	12,466	2,038	255
Minnesota	6,072	53,783	3,950	(d)	(d)	(d)	(d)	(d)	(d)	21,151	1,574	1,755	142	7,185	1,190	83
Iowa	11,658	1,560	1,308	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	11,273	1,848	172
Missouri	17,495	92,492	5,063	(d)	(d)	(d)	(d)	(d)	(d)	21,730	1,642	2,981	192	(d)	(d)	(d)
South Dakota	2,935	30,449	1,428	(d)	(d)	(d)	(d)	(d)	(d)	18,387	(d)	(d)	(d)	(d)	(d)	(d)
Nebraska	844	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Kansas	2,354	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
<b>South Atlantic</b>	464,044	3,027,342	166,190	46,739	10,014	32,923	3,728	18,833	2,437	3,489,666	246,238	170,816	14,864	110,230	16,256	4,317
Delaware	1,102	20,696	(d)	(d)	(d)	(d)	(d)	(d)	(d)	59,540	2,067	(d)	(d)	(d)	(d)	(d)
Maryland	7,303	90,914	5,000	11,763	1,717	17,878	1,783	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
District of Columbia	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Virginia	70,532	611,836	31,107	9,552	228	3,369	615	4,754	663	521,440	35,522	15,791	1,802	44,533	7,467	321
West Virginia	25,699	16,621	16,621	(d)	(d)	(d)	(d)	(d)	(d)	32,667	1,723	659	65	20,786	2,591	389
North Carolina	104,870	546,157	18,039	4,709	7,488	690	690	7,378	1,027	818,275	61,225	32,883	2,937	20,786	2,885	564
South Carolina	24,136	412,829	24,136	7,385	1,360	3,720	568	6,701	747	38,766	4,056	38,766	4,056	9,587	956	(d)
Georgia	130,116	874,702	41,964	(d)	(d)	476	72	(d)	(d)	1,200,738	79,204	60,598	4,088	18,445	2,837	2,693
Florida	43,566	213,500	15,130	(d)	(d)	(d)	(d)	(d)	(d)	330,162	24,105	22,119	1,898	(d)	(d)	(d)
<b>East South Central</b>	331,265	2,242,383	126,692	35,529	7,965	20,328	3,137	7,519	956	2,232,866	154,279	218,257	14,880	145,638	19,247	4,109
Kentucky	21,139	227,915	15,070	(d)	(d)	35,713	2,678	(d)	(d)	1,915	140	1,915	140	8,178	962	(d)
Tennessee	42,187	355,293	22,815	12,451	627	7,363	1,070	2,835	874	95,043	7,198	12,016	1,073	52,990	7,646	1,696
Alabama	150,419	863,639	43,963	4,343	9,217	9,217	1,102	4,686	632	1,291,503	88,654	142,125	9,142	51,376	5,967	2,413
Mississippi	117,520	795,546	44,844	18,755	4,865	3,212	888	(d)	(d)	810,602	55,749	62,201	4,525	33,144	4,672	(d)
<b>West South Central</b>	315,556	1,480,337	82,467	49,136	7,739	9,041	928	7,636	566	2,539,681	190,104	79,777	5,970	195,269	26,607	1,175
Arkansas	102,005	1,416,986	21,823	11,118	2,280	1,680	258	6,388	434	785,280	57,917	44,296	3,284	109,251	15,509	911
Louisiana	104,473	696,244	41,712	31,838	3,999	7,561	670	1,248	132	668,001	49,373	3,602	385	65,373	8,123	264
Oklahoma	3,210	18,824	1,133	(d)	(d)	(d)	(d)	(d)	(d)	21,650	1,065	(d)	(d)	(d)	(d)	(d)
Texas	105,868	348,283	17,709	6,180	(d)	(d)	(d)	(d)	(d)	1,064,740	81,749	51,789	2,301	20,645	2,975	(d)
<b>Mountain</b>	114,343	995,915	48,410	(d)	(d)	175	14	7,089	564	1,008,953	63,465	2,640	239	(d)	(d)	(d)
Montana	26,437	250,463	11,106	(d)	(d)	(d)	(d)	(d)	(d)	231,971	15,119	1,189	114	(d)	(d)	(d)
Idaho	56,000	402,432	21,248	(d)	(d)	(d)	(d)	(d)	(d)	516,704	33,611	1,511	125	(d)	(d)	(d)
Wyoming	2,993	30,668	2,432	(d)	(d)	(d)	(d)	(d)	(d)	6,054	417	(d)	(d)	(d)	(d)	(d)
Colorado	6,544	94,389	4,613	(d)	(d)	(d)	(d)	(d)	(d)	27,792	1,765	(d)	(d)	(d)	(d)	(d)
New Mexico	9,279	76,180	3,365	(d)	(d)	(d)	(d)	(d)	(d)	88,863	5,766	(d)	(d)	(d)	(d)	(d)
Arizona	10,980	92,023	4,448	(d)	(d)	(d)	(d)	(d)	(d)	111,908	6,438	(d)	(d)	(d)	(d)	(d)
Utah	1,560	28,742	(d)	(d)	(d)	(d)	(d)	(d)	(d)	5,661	351	(d)	(d)	(d)	(d)	(d)
Nevada	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
<b>Pacific</b>	887,322	6,496,828	346,888	(d)	(d)	181,063	17,267	7,319,175	501,154	2,319,889	501,154	99,449	10,687	2,900	499	10,478
Washington	245,775	3,310,940	72,679	(d)	(d)	56,346	3,809	2,227,889	62,354	2,227,889	62,354	33,901	3,329	(d)	(d)	1,604
Oregon	438,109	3,126,767	166,260	(d)	(d)	8,234	8,735	4,004,226	253,830	4,004,226	253,830	38,807	6,323	(d)	(d)	(d)
California	203,448	2,059,121	109,949	(d)	(d)	20,453	2,703	1,067,000	84,970	1,067,000	84,970	6,991	845	(d)	(d)	(d)

<sup>1</sup> No breakdown by type of products was obtained from small sawmills that cut between 200 M and 1,000 M feet b.m. of lumber. Since practically the only product shipped by these small mills is rough lumber, the quantity for these mills was estimated on the basis of the average value per M feet for the larger mills applied to the total value of shipments by the small mills for each State. The quantity thus estimated amounted to approximately 22 percent of the national total. However, in those States where the small mills predominate, the proportion estimated for the State figure is accordingly larger.

<sup>2</sup> Includes dimension for high and low cost species and grades and all degrees of processing of the stock. Thus, rough sawn stock produced from low cost species are combined with completely machined items of high value. Area and State figures are affected by the low cost items in proportion to their importance to the total.

<sup>3</sup> Includes other sawmill and planing mill products and products not reported by kind.

## CENSUS OF MANUFACTURES: 1947

TABLE 6-C.—LUMBER—PRODUCTION AND PERCENT DISTRIBUTION OF CUT, BY GROUPS OF STATES,<sup>1</sup>  
FOR SELECTED YEARS: 1869-1947

[The groupings of States in this table represent combinations that have been used for an extended period and are preserved to facilitate the presentation of historical information. The group titles do not, in some instances (Northeastern, Southern, and South Atlantic), conform to regional or divisional groupings used elsewhere in this report. All known sawmills were enumerated for the years and States specified: 1947, all States; 1946, Western (North and South Pacific and North and South Rocky Mountain), Southern, South Atlantic States, and New Hampshire, Tennessee, and Vermont; 1945, Western States, Lake States, and New Hampshire, Rhode Island, and Vermont; 1944, Western and Northeastern States; 1943, Western States and Rhode Island; 1942, all States; previous years listed in this table, all States. Estimates for other States (1943-46) are based on sample surveys and are subject to sampling errors.]

For years prior to 1942, there is an unknown amount of undercoverage in all regions, except North and South Pacific and North and South Rocky Mountain States

[In thousands of board feet, lumber tally]

YEAR	Total production	Northeastern States		Central States		Southern States		South Atlantic States		Lake States	
		Lumber sawed	Percent of total	Lumber sawed	Percent of total	Lumber sawed	Percent of total	Lumber sawed	Percent of total	Lumber sawed	Percent of total
1947.....	35,404,212	2,323,765	6.6	2,392,023	6.8	9,397,333	26.5	3,570,737	10.1	1,310,266	3.7
1946.....	34,112,357	2,162,861	6.3	2,509,310	7.4	10,033,249	29.4	3,831,716	11.2	1,116,943	3.3
1945.....	28,122,344	1,833,422	6.7	2,234,731	7.9	7,940,277	28.2	2,936,289	10.4	923,052	3.3
1944.....	32,937,549	2,073,003	6.3	2,801,673	8.5	8,206,677	24.9	3,559,970	10.8	1,228,100	3.7
1943.....	34,288,767	1,840,864	5.4	2,768,878	8.1	9,896,309	28.0	3,670,043	10.7	994,083	2.9
1942.....	36,332,248	1,894,446	5.2	2,614,108	7.2	10,885,517	30.0	3,988,654	11.0	1,240,765	3.4
1939 <sup>2</sup> .....	25,148,384	1,130,136	4.5	1,231,422	4.9	7,549,130	30.0	2,367,154	9.4	781,249	3.1
1929 <sup>3</sup> .....	30,880,032	1,231,697	3.3	2,347,232	6.4	12,483,669	33.8	2,978,816	8.1	1,771,011	4.8
1919.....	34,552,076	2,583,873	7.5	3,016,887	8.7	12,704,483	36.8	3,374,152	9.8	2,601,868	7.8
1909.....	44,509,761	5,197,012	11.7	5,487,165	12.3	14,705,731	33.2	5,177,001	11.6	5,476,270	12.3
1899.....	35,077,595	5,709,224	16.3	5,643,379	16.1	8,403,802	24.0	2,712,186	7.7	8,749,842	24.9
1889.....	23,842,230	4,725,568	19.8	3,129,988	13.1	3,717,728	15.6	1,128,968	4.7	8,250,702	34.6
1879.....	18,091,356	4,642,556	25.7	3,340,232	18.5	1,754,956	9.7	743,533	4.1	6,278,567	34.7
1869.....	12,765,543	4,557,428	35.7	2,284,423	17.9	923,489	7.2	304,261	2.9	3,592,202	28.2

  

YEAR	North Pacific States		South Pacific States		North Rocky Mountain States		South Rocky Mountain States		Other States	
	Lumber sawed	Percent of total	Lumber sawed	Percent of total	Lumber sawed	Percent of total	Lumber sawed	Percent of total	Lumber sawed	Percent of total
1947.....	10,807,811	30.5	3,408,522	9.6	1,450,750	4.1	611,146	1.7	124,959	0.4
1946.....	9,750,606	28.6	2,681,173	7.9	1,277,823	3.7	637,647	1.9	111,029	0.3
1945.....	8,261,542	29.4	2,260,792	8.0	1,122,202	4.0	428,073	1.5	131,904	0.5
1944.....	10,672,173	32.4	2,468,943	7.5	1,359,043	4.1	461,827	1.4	116,140	0.4
1943.....	10,891,510	31.8	2,352,592	6.9	1,313,268	3.8	424,718	1.2	127,402	0.4
1942.....	11,456,348	31.5	2,330,041	6.4	1,363,457	3.8	428,734	1.2	124,178	0.3
1939 <sup>2</sup> .....	9,008,803	35.8	1,684,694	6.7	946,261	3.8	389,800	1.6	50,735	0.2
1929 <sup>3</sup> .....	12,086,072	32.8	2,083,229	5.6	1,417,502	3.8	425,346	1.2	81,458	0.2
1919.....	7,538,623	21.8	1,259,363	3.6	1,052,766	3.0	245,918	0.7	85,143	0.2
1909.....	5,761,911	12.9	1,143,507	2.6	954,382	2.1	337,668	0.8	179,024	0.4
1899.....	2,163,570	6.2	737,760	2.1	321,048	0.9	235,319	0.7	401,465	1.1
1889.....	1,510,067	6.3	517,781	2.2	117,311	0.5	132,120	0.6	611,997	2.6
1879.....	337,347	1.9	326,340	1.8	39,624	0.2	114,371	0.6	504,730	2.8
1869.....	203,936	1.6	353,842	2.8	14,061	0.1	44,735	0.4	417,166	3.3

<sup>1</sup> Northeastern States: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; Central States: Illinois, Indiana, Kentucky, Missouri, Ohio, Tennessee, and West Virginia; Southern States: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, and Texas; South Atlantic States: North Carolina, South Carolina, and Virginia; Lake States: Michigan, Minnesota, and Wisconsin; North Pacific States: Oregon and Washington; South Pacific States: California and Nevada; North Rocky Mountain States: Idaho and Montana; South Rocky Mountain States: Arizona, Colorado, New Mexico, Utah, and Wyoming; Other States: District of Columbia, Iowa, Kansas, Nebraska, North Dakota, and South Dakota.

<sup>2</sup> Data for "Other States" (Prairie States) in 1944 and 1945, for the Lake States in 1944, and for four States—Illinois, Indiana, Missouri, and Ohio, of the "Central" group, in 1944, are summations of monthly estimates made by the United States Forest Service.

<sup>3</sup> In 1939 and 1929 the cut of small mills, each reporting less than 50 M feet, board measure, was omitted. Such mills were included in the data in all other years listed in this table.

<sup>4</sup> Production figures and number of mills shown in 1939 Census of Manufactures report, "Lumber and Timber Basic Products Group" revised to include an additional 172,910 M feet b.m. of timber cut by 241 sawmills in the New England States, salvaged from the hurricane of 1938.

TABLE 6-D.—LUMBER—PRODUCTION OF SOFTWOODS AND HARDWOODS AND NUMBER OF ACTIVE MILLS, BY GEOGRAPHIC REGIONS AND STATES, FOR SELECTED YEARS: 1939-1947

[For States in which data were collected by canvass of all known mills and those for which production estimates were obtained by sample surveys, see headnote, table 6-C. For production estimates based on sample surveys, the chances are 2 out of 3 that the unstarred figures do not vary from actual production by more than 1 to 5 percent, the one-starred figures by more than 6 to 10 percent, and the two-starred figures by more than 11 to 15 percent. The chances are 19 out of 20 that the estimates will not vary from the true figure by more than twice the stated percentages. The three-starred figures are less reliable and are shown only to indicate their relative magnitude. Regions used in this table are Census lumber regions and in some instances do not agree with standard divisions used in tables 2 and 6-D.]

REGION AND STATE	Number of active mills							Lumber sawed—(In thousands of board feet, lumber tally)					
	1947	1946 <sup>1</sup>	1945 <sup>2</sup>	1944 <sup>3</sup>	1943 <sup>4</sup>	1942	1939 <sup>5</sup>	1947					Percent of increase or decrease (—) 1947-1946
								Total	Percent of increase or decrease (—) 1947-1946	Softwood	Percent of increase or decrease (—) 1947-1946	Hardwood	Percent of increase or decrease (—) 1947-1946
United States.....	53,109	n.a.	n.a.	n.a.	n.a.	38,895	16,868	35,404,212	3.8	27,937,398	8.0	7,466,814	-9.6
East.....	48,148	n.a.	n.a.	n.a.	n.a.	36,087	14,746	19,067,625	-3.3	11,638,657	1.1	7,428,968	-9.4
New England States.....	2,350	n.a.	1,816	1,708	n.a.	1,629	* 1,055	1,140,613	-0.5	978,049	-0.5	162,564	-0.7
Connecticut.....	101			133		100	70	20,306	17.6	9,733	-7.1	10,573	69.1
Maine.....	742			599		529	319	459,271	11.7	436,513	12.1	22,758	3.9
Massachusetts.....	473			302		285	170	132,244	12.1	103,791	9.3	28,453	24.1
New Hampshire.....	479			373		362	257	322,509	-15.7	288,029	-15.7	34,480	-15.7
Rhode Island.....	23			25		22	30	2,544	0.0	1,471	-17.9	1,073	42.5
Vermont.....	451			316		301	209	203,739	-5.6	138,512	-4.5	65,227	-8.0
Middle Atlantic States.....	5,017	n.a.	4,043	3,432	n.a.	3,075	799	1,183,152	16.4	455,463	16.7	727,689	16.2
Delaware.....	146			90		105	32	33,644	19.1	27,621	18.3	6,023	23.2
Maryland.....	716			525		554	108	153,809	31.1	87,499	34.6	66,310	26.8
New Jersey.....	238			114		110	38	32,423	19.2	6,183	78.3	26,240	10.6
New York.....	1,700			1,045		925	226	383,271	20.8	199,329	18.4	183,942	23.4
Pennsylvania.....	2,727			1,658		1,381	395	580,005	10.3	134,831	3.7	445,174	12.4
Lake States.....	5,200	n.a.	3,103	n.a.	n.a.	2,366	1,010	1,310,266	17.3	476,301	18.3	833,965	16.8
Michigan.....	1,899		993			739	260	580,097	11.6	199,954	16.2	380,143	9.4
Minnesota.....	1,525		1,161			742	324	244,363	19.0	118,368	15.2	125,995	22.8
Wisconsin.....	1,776		1,009			885	426	485,806	24.0	157,979	23.6	327,827	24.2
Central States.....	12,059	n.a.	11,352	n.a.	n.a.	10,920	2,691	2,392,923	-4.6	342,325	-8.8	2,050,598	-3.9
Illinois.....	1,155					1,040	94	98,764	7.7	555	(*)	99,209	7.5
Indiana.....	937					831	297	180,266	10.4	454	(*)	179,812	10.1
Kentucky.....	2,108					1,875	636	438,722	6.0	44,130	13.6	394,592	5.2
Missouri.....	2,672					2,088	185	259,380	1.0	39,244	23.3	220,136	-2.2
Ohio.....	1,644					1,487	355	265,452	7.6	2,896	55.5	262,556	7.2
Tennessee.....	2,567					2,041	717	665,437	-25.5	214,129	-18.8	451,308	-28.3
West Virginia.....	1,510					1,558	407	483,902	9.3	40,917	5.9	442,985	9.6
Prairie States.....	1,070	n.a.	n.a.	n.a.	n.a.	1,165	21	66,601	14.9	1,626	17.4	64,975	14.8
Iowa.....	686					824	15	45,093	-9.6	684	(*)	44,409	-4.5
Kansas.....	250					222	100	17,581	1193.6	270	(*)	17,311	1190.1
Nebraska.....	121					119	(*)	3,300	(*)	672	(*)	2,628	(*)
North Dakota.....	13							627	(*)		(*)	627	(*)
South Atlantic States.....	9,127	9,133	7,587	7,708	n.a.	7,146	3,533	3,576,737	-6.7	2,599,083	0.0	977,654	-21.1
North Carolina.....	4,588	4,396				3,250	1,876	1,539,656	-4.6	1,173,562	1.6	366,094	-25.1
South Carolina.....	1,438	1,583				1,269	589	871,014	-13.0	685,664	-9.1	185,350	-24.8
Virginia.....	3,101	3,164				2,618	1,068	1,166,067	-4.2	739,857	8.2	426,210	-20.2
East Gulf States.....	6,131	6,731	4,084	4,493	n.a.	5,129	2,911	4,015,954	-15.2	3,159,112	-9.2	856,842	-31.6
Alabama.....	2,005	3,030				2,428	1,573	1,794,961	-16.8	1,258,751	-10.9	536,210	-28.0
Florida.....	650	715				411	255	533,579	-10.1	485,768	-9.9	47,811	-12.2
Georgia.....	2,867	2,086				2,280	1,083	1,087,414	-14.9	1,414,593	-7.5	272,821	-39.7
Lower Mississippi States.....	5,085	5,876	4,436	5,410	n.a.	4,657	2,726	5,381,379	1.5	3,628,698	10.6	1,754,681	-13.1
Arkansas.....	1,803	1,736				1,439	685	1,285,315	3.3	802,703	10.8	482,612	-7.2
Louisiana.....	914	754				488	250	1,269,380	19.1	757,300	37.9	512,080	-0.8
Mississippi.....	1,899	1,981				1,986	1,277	1,397,145	-10.4	888,034	3.8	509,111	-27.6
Oklahoma.....	287	304				160	86	82,793	-5.4	53,676	5.0	29,117	-20.0
Texas.....	1,012	1,101				584	428	1,346,746	0.3	1,124,985	2.2	221,761	-8.9
West.....	4,961	4,616	2,954	2,903	2,757	2,808	2,122	16,336,587	13.4	16,298,741	13.6	37,846	-26.3
North Pacific States.....	2,274	1,959	1,247	1,251	1,252	1,312	941	10,807,811	10.8	10,773,051	11.0	34,760	-25.6
Oregon.....	1,466	1,316	745	730	734	758	523	7,102,410	12.2	7,087,719	12.3	14,691	-21.5
Washington.....	808	643	502	521	518	554	418	3,705,401	8.3	3,685,332	8.6	20,069	-28.4
South Pacific States.....	884	907	457	413	365	311	229	3,408,622	27.1	3,407,780	27.2	742	(*)
California and Nevada.....	884	907	457	413	365	311	229	3,408,622	27.1	3,407,780	27.2	742	(*)
North Rocky Mountain States.....	795	782	499	515	461	484	361	1,450,750	13.5	1,449,878	13.5	872	(*)
Idaho.....	388	361	246	259	233	235	193	950,137	10.0	950,137	10.0	654	(*)
Montana.....	407	401	253	256	228	249	168	499,959	20.8	499,741	20.8	218	(*)
South Rocky Mountain States.....	1,008	988	751	724	679	701	600	669,504	-3.1	668,032	-3.0	1,472	-35.0
Arizona.....	61	66	53	47	44	39	42	220,017	-8.6	219,987	-8.6	30	(*)
Colorado.....	403	394	271	248	241	255	204	144,866	-4.4	144,752	4.8	214	(*)
New Mexico.....	162	168	135	136	118	133	98	126,925	-12.0	126,925	-12.0		
South Dakota.....	70	40	39	40	31	33	37	58,358	10.0	57,648	9.7	710	(*)
Utah.....	142	162	126	129	126	109	90	38,423	-22.9	37,915	-22.4	508	(*)
Wyoming.....	170	162	127	124	119	132	129	80,815	26.1	80,805	26.2	10	(*)

See footnotes at end of table.

TABLE 6-D.—LUMBER—PRODUCTION OF SOFTWOODS AND HARDWOODS AND NUMBER OF ACTIVE MILLS, BY GEOGRAPHIC REGIONS AND STATES, FOR SELECTED YEARS: 1939-1947—Continued

REGION AND STATE	Lumber sawed—Continued (In thousands of board feet, lumber tally)								
	1946			1945			1944		
	Total	Softwood	Hardwood	Total	Softwood	Hardwood	Total	Softwood	Hardwood
United States.....	34, 112, 357	25, 856, 584	8, 255, 773	28, 122, 344	21, 139, 872	6, 982, 472	32, 937, 549	25, 159, 695	7, 777, 854
East.....	19, 712, 046	11, 507, 655	8, 204, 391	16, 004, 472	9, 044, 542	6, 959, 930	17, 942, 770	10, 186, 748	7, 756, 022
New England States.....	1, 146, 692	983, 027	163, 665	966, 708	835, 047	131, 661	1, 086, 035	954, 918	132, 017
Connecticut.....	***16, 728	***10, 477	***6, 251	*17, 361	*8, 826	*8, 535	26, 742	12, 256	14, 486
Maine.....	411, 205	389, 295	21, 910	*373, 608	*365, 696	***7, 912	402, 505	380, 904	21, 511
Massachusetts.....	117, 923	*95, 000	*22, 923	*88, 490	*73, 604	***14, 886	108, 971	87, 670	21, 301
New Hampshire.....	382, 384	341, 476	40, 908	290, 125	264, 464	*25, 671	356, 509	320, 722	26, 787
Rhode Island.....	***2, 545	***1, 792	***753	1, 809	1, 036	773	4, 581	3, 041	1, 540
Vermont.....	*215, 907	144, 987	70, 920	195, 315	122, 031	73, 284	187, 627	141, 235	46, 392
Middle Atlantic States.....	1, 016, 169	390, 179	625, 990	916, 714	362, 407	554, 307	986, 068	367, 084	618, 984
Delaware.....	*28, 244	*23, 354	***4, 890	*22, 138	*19, 676	***2, 462	23, 992	20, 773	3, 219
Maryland.....	117, 312	65, 022	*52, 290	***115, 062	***72, 589	***43, 373	120, 121	61, 861	58, 260
New Jersey.....	27, 200	***3, 468	23, 732	*31, 448	*10, 045	*21, 403	25, 625	4, 418	21, 207
New York.....	317, 382	168, 361	149, 021	283, 478	168, 038	124, 840	317, 706	169, 676	148, 030
Pennsylvania.....	526, 031	120, 974	396, 057	463, 688	101, 450	362, 229	498, 624	110, 356	388, 268
Lake States.....	1, 116, 943	402, 755	714, 188	923, 052	328, 748	594, 304	*1, 228, 100	449, 600	778, 500
Michigan.....	519, 719	172, 127	347, 592	422, 538	298, 346	124, 192	*552, 800	165, 900	386, 900
Minnesota.....	205, 371	*102, 790	*102, 581	186, 090	100, 714	85, 376	242, 100	141, 700	100, 400
Wisconsin.....	391, 853	127, 838	264, 015	316, 078	105, 496	210, 582	433, 200	142, 000	291, 200
Central States.....	2, 509, 310	375, 278	2, 134, 032	2, 234, 731	277, 662	1, 957, 069	2, 801, 673	354, 981	2, 446, 692
Illinois.....	*92, 620	***327	*92, 293	65, 836	323	65, 513	*102, 212	***580	*101, 623
Indiana.....	163, 319	***69	163, 250	*147, 051	***524	*140, 527	*170, 340	124	170, 225
Kentucky.....	414, 026	***38, 830	375, 196	421, 326	48, 180	373, 146	***505, 780	***61, 584	*444, 196
Missouri.....	*256, 975	*31, 824	*225, 151	240, 516	20, 475	214, 041	*335, 215	31, 754	303, 461
Ohio.....	246, 718	***1, 862	244, 856	256, 570	***1, 674	254, 896	*262, 681	2, 014	260, 667
Tennessee.....	692, 947	263, 732	429, 215	627, 223	154, 563	472, 660	***788, 051	***208, 702	*579, 289
West Virginia.....	442, 705	***38, 034	404, 671	470, 209	45, 923	424, 286	*631, 985	***60, 154	*581, 231
Prairie States.....	*57, 967	***1, 385	***56, 582	*86, 701	2, 380	84, 321	*73, 347	***906	*72, 441
Iowa.....	***47, 180	***1, 085	***46, 095	*73, 292	1, 616	71, 670	*57, 128	***448	*56, 080
Kansas.....	12 ***10, 787	12 ***300	12 ***10, 487	12 ***13, 409	12 ***764	12 ***12, 045	12 ***16, 219	12 ***158	12 ***15, 761
Nebraska.....	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)
North Dakota.....	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)
South Atlantic States.....	3, 831, 716	2, 593, 096	1, 238, 620	2, 936, 289	1, 990, 204	946, 085	3, 559, 070	2, 418, 756	1, 141, 214
North Carolina.....	1, 613, 591	1, 155, 411	458, 180	1, 214, 918	892, 231	*322, 687	*1, 440, 786	*1, 071, 034	*360, 752
South Carolina.....	1, 000, 795	754, 204	246, 591	*726, 707	*550, 581	*176, 126	*902, 100	*708, 000	*104, 100
Virginia.....	1, 217, 360	683, 481	533, 879	994, 664	547, 392	447, 272	*1, 217, 084	*630, 722	*577, 362
East Gulf States.....	4, 733, 361	3, 481, 444	1, 251, 917	3, 579, 684	2, 619, 022	960, 662	3, 582, 352	2, 777, 622	804, 730
Alabama.....	2, 158, 123	1, 413, 130	744, 987	1, 585, 079	1, 048, 274	536, 805	1, 729, 732	1, 212, 090	517, 633
Florida.....	693, 367	538, 925	154, 442	484, 525	*446, 004	*38, 521	*446, 032	*414, 748	*30, 284
Georgia.....	1, 981, 881	1, 529, 383	452, 498	1, 510, 080	1, 124, 744	385, 336	1, 407, 588	1, 150, 775	*256, 813
Lower Mississippi States.....	5, 299, 888	3, 280, 491	2, 019, 397	4, 360, 503	2, 628, 472	1, 732, 121	4, 624, 325	2, 802, 881	1, 761, 444
Arkansas.....	1, 244, 655	724, 411	520, 244	1, 090, 173	1, 078, 155	1, 012, 018	1, 261, 702	1, 077, 051	1, 048, 741
Louisiana.....	1, 065, 506	549, 068	516, 438	1, 024, 078	522, 758	*501, 320	*939, 802	*517, 373	*422, 480
Mississippi.....	1, 553, 930	855, 935	702, 995	1, 313, 241	705, 683	607, 558	1, 332, 361	719, 740	*612, 621
Oklahoma.....	87, 550	51, 143	36, 407	(13)	(13)	(13)	(13)	(13)	(13)
Texas.....	1, 343, 247	1, 099, 934	243, 313	933, 101	721, 876	*211, 225	*1, 090, 310	*852, 717	***237, 593
West.....	14, 400, 311	14, 348, 929	51, 382	12, 117, 872	12, 095, 339	22, 542	14, 994, 779	14, 972, 947	21, 832
North Pacific States.....	9, 750, 606	9, 703, 856	46, 750	8, 261, 542	8, 242, 062	19, 480	10, 672, 173	10, 053, 675	18, 498
Oregon.....	6, 328, 317	6, 309, 607	18, 710	5, 003, 547	4, 996, 647	6, 900	6, 322, 250	6, 313, 943	8, 316
Washington.....	3, 422, 289	3, 394, 249	28, 040	3, 257, 995	3, 245, 415	12, 580	4, 340, 014	4, 339, 732	10, 182
South Pacific States.....	2, 681, 173	2, 679, 744	1, 429	2, 260, 702	2, 260, 309	393	2, 408, 043	2, 408, 702	181
California and Nevada.....	2, 681, 173	2, 679, 744	1, 429	2, 260, 702	2, 260, 309	393	2, 408, 043	2, 408, 702	181
North Rocky Mountain States.....	1, 277, 823	1, 276, 886	937	1, 122, 202	1, 121, 938	264	1, 350, 043	1, 358, 075	968
Idaho.....	863, 904	863, 397	567	780, 453	780, 315	138	910, 545	909, 655	890
Montana.....	413, 859	413, 489	370	341, 749	341, 623	126	448, 498	448, 420	78
South Rocky Mountain States.....	600, 709	688, 443	2, 266	473, 336	470, 931	2, 405	494, 020	492, 435	2, 185
Arizona.....	240, 735	240, 725	10	157, 984	157, 934	172, 198	172, 198	172, 198	172, 198
Colorado.....	138, 806	138, 091	715	88, 059	87, 236	823	80, 603	80, 004	604
New Mexico.....	144, 214	144, 214	---	99, 100	98, 027	173	105, 348	105, 308	40
South Dakota.....	53, 062	52, 548	514	45, 203	44, 720	534	42, 793	42, 177	616
Utah.....	49, 821	48, 837	984	28, 831	27, 987	844	28, 816	28, 000	720
Wyoming.....	64, 071	64, 028	43	54, 099	54, 008	31	58, 707	58, 652	115

See footnotes at end of table.

TABLE 6-D.—LUMBER—PRODUCTION OF SOFTWOODS AND HARDWOODS AND NUMBER OF ACTIVE MILLS, BY GEOGRAPHIC REGIONS AND STATES, FOR SELECTED YEARS: 1939-1947—Continued

REGION AND STATE	Lumber sawed—Continued (In thousands of board feet, lumber tally)								
	1943			1942			1939 <sup>1</sup>		
	Total	Softwood	Hardwood	Total	Softwood	Hardwood	Total	Softwood	Hardwood
United States.....	34,288,757	26,917,342	7,371,415	36,332,248	29,510,184	6,822,064	25,148,384	21,407,699	3,740,685
East.....	19,261,605	11,908,406	7,353,199	20,705,215	13,905,137	6,800,078	13,076,893	9,375,261	3,701,632
New England States.....	939,320	816,006	123,314	1,034,834	890,896	143,938	768,967	649,431	119,536
Connecticut.....	21,071	10,488	10,583	17,549	8,031	9,518	24,809	10,817	7,992
Maine.....	*288,084	*256,043	*32,041	395,653	358,030	37,623	214,454	185,652	28,802
Massachusetts.....	**95,983	**70,441	**25,542	103,067	89,157	13,910	125,556	112,918	12,638
New Hampshire.....	*302,332	*360,634	*31,698	301,440	325,494	35,946	266,218	243,517	22,701
Rhode Island.....	3,513	2,955	558	4,932	4,429	503	11,868	10,306	1,562
Vermont.....	138,337	103,415	34,922	152,193	105,755	46,438	120,062	80,221	45,841
Middle Atlantic States.....	901,544	336,041	565,503	859,612	334,929	524,683	370,169	140,746	229,423
Delaware.....	21,551	17,628	*3,923	27,862	24,512	3,350	11,124	9,194	1,930
Maryland.....	**131,942	*78,833	*53,109	131,138	73,515	57,623	51,438	31,755	19,683
New Jersey.....	30,402	*6,622	23,780	24,084	5,269	18,815	14,067	1,551	12,516
New York.....	*270,603	*126,944	*143,659	277,651	128,830	148,821	107,856	38,103	69,753
Pennsylvania.....	*447,040	*106,014	*341,032	398,877	102,803	296,074	185,684	60,143	125,541
Lake States.....	904,083	409,691	584,392	1,246,765	500,493	746,272	781,249	330,157	451,092
Michigan.....	406,959	133,102	273,857	531,110	171,116	359,994	333,234	118,984	214,250
Minnesota.....	*195,668	*125,899	*69,759	231,812	139,113	92,699	111,218	69,330	41,888
Wisconsin.....	391,460	150,690	240,776	483,843	190,264	293,579	336,797	141,843	194,954
Central States.....	2,768,878	368,761	2,400,117	2,614,108	423,259	2,190,849	1,231,422	225,579	1,005,843
Illinois.....	*91,659	*11	*91,648	101,093	289	100,804	27,211	440	26,771
Indiana.....	*156,081	*107	*155,974	169,040	263	169,377	111,280	115	111,165
Kentucky.....	*531,212	*56,241	*474,971	496,404	67,109	399,295	207,370	32,429	174,941
Missouri.....	*291,062	*31,617	*259,445	274,750	30,940	243,810	74,086	18,814	55,272
Ohio.....	*276,276	*2,717	*273,559	270,900	2,743	268,157	110,545	926	109,619
Tennessee.....	767,540	213,123	554,417	742,865	259,764	483,101	376,446	129,647	246,799
West Virginia.....	655,048	64,945	590,103	688,456	62,151	526,305	324,484	43,203	281,276
Prairie States.....	*82,428	*663	*81,765	75,725	586	75,139	8,802	-----	8,802
Iowa.....	*63,956	*513	*63,443	50,081	376	55,705	5,164	-----	5,164
Kansas.....	*20,942	*79	*20,863	14,948	73	14,875	10 3,638	(10)	10 3,638
Nebraska.....	*7,530	*71	*7,459	4,696	137	4,559	(10)	(10)	(10)
North Dakota.....	-----	-----	-----	-----	-----	-----	-----	-----	-----
South Atlantic States.....	3,079,043	2,700,584	978,459	3,988,654	3,075,223	913,431	2,367,154	1,812,557	554,597
North Carolina.....	1,579,833	1,238,173	*341,660	1,091,536	1,375,749	315,787	1,042,122	842,090	199,132
South Carolina.....	1,001,140	*800,261	*200,879	1,083,221	886,318	196,903	646,212	492,331	153,881
Virginia.....	1,098,070	662,150	435,920	1,213,897	813,156	400,741	678,820	477,236	201,584
East Gulf States.....	4,505,520	3,039,963	865,557	4,734,431	4,066,193	668,238	2,922,240	2,590,822	331,418
Alabama.....	2,141,832	1,612,771	529,061	2,109,744	1,736,450	373,294	1,412,222	1,237,486	174,736
Florida.....	507,103	476,040	*30,463	653,600	610,197	43,403	602,849	549,930	52,919
Georgia.....	1,850,585	1,550,552	306,033	1,971,087	1,719,546	251,541	907,169	803,406	103,763
Lower Mississippi States.....	5,390,780	3,036,097	1,754,092	6,151,086	4,613,558	1,537,528	4,626,890	3,625,969	1,000,921
Arkansas.....	1,449,842	1,005,636	444,206	1,672,598	1,170,124	402,474	1,109,886	863,471	246,415
Louisiana.....	1,082,230	618,023	464,207	1,231,717	799,316	432,401	1,036,351	687,709	348,642
Mississippi.....	1,634,004	1,029,974	604,030	1,851,639	1,358,080	493,459	1,200,700	928,228	272,472
Oklahoma.....	85,095	64,229	31,466	111,569	81,248	30,321	142,095	128,050	14,045
Texas.....	1,129,018	918,835	210,183	1,389,063	1,204,790	178,873	1,136,958	1,018,511	118,447
West.....	15,027,162	15,008,936	18,216	15,627,033	15,605,047	21,986	12,071,491	12,032,438	39,053
North Pacific States.....	10,801,510	10,875,934	15,576	11,456,348	11,436,855	19,493	9,008,803	8,970,169	38,634
Oregon.....	6,401,424	6,394,584	6,840	6,480,178	6,471,128	9,050	4,784,802	4,746,446	18,356
Washington.....	4,400,086	4,481,350	8,736	4,976,170	4,965,727	10,443	4,244,001	4,223,723	20,278
South Pacific States.....	2,352,592	2,352,413	179	2,330,041	2,328,717	1,324	1,684,694	1,684,694	-----
California and Nevada <sup>4</sup> .....	10 2,352,592	2,352,413	179	2,330,041	2,328,717	1,324	1,684,694	1,684,694	-----
North Rocky Mountain States.....	1,313,268	1,313,075	193	1,363,457	1,363,167	290	946,261	946,039	222
Idaho.....	889,748	889,624	124	930,368	930,100	268	675,165	675,088	77
Montana.....	423,520	423,451	69	433,089	433,067	22	271,096	270,951	145
South Rocky Mountain States.....	409,782	467,514	2,268	477,187	476,308	879	431,733	431,536	197
Arizona.....	151,547	151,547	-----	143,286	143,286	-----	119,206	119,206	-----
Colorado.....	89,479	88,617	862	85,921	85,460	461	83,814	83,804	50
New Mexico.....	109,069	109,069	-----	122,391	122,391	-----	106,227	106,227	-----
South Dakota.....	45,064	44,310	754	48,453	48,203	250	41,933	41,933	-----
Utah.....	26,722	26,105	617	19,002	18,844	158	15,113	14,987	126
Wyoming.....	47,871	47,836	35	58,134	58,124	10	65,340	65,319	21

n.a.—Not available.

<sup>1</sup> Number of mills not available for Northern States (New England, Middle Atlantic, Lake, Central, and Prairie States) are available.<sup>2</sup> Only total figures for New England, Middle Atlantic, Central, and Southern groups (South Atlantic, East Gulf, and Lower Mississippi States) are available.<sup>3</sup> Only total figures for Southern States, as data were collected by sample survey based on production. No figures are available for the Lake States, for Illinois, Indiana, Missouri, and Ohio, and for the Prairie States, for which production data were furnished by the U. S. Forest Service. Number of mills in Kentucky, Tennessee, and West Virginia was 6,107.<sup>4</sup> Number of mills not available for Eastern States.<sup>5</sup> Includes only establishments reporting 50 M feet b.m. lumber production or over.<sup>6</sup> Figures shown in 1939 Census of Manufactures report, "Lumber and Timber Basic Products Group" revised to include 241 additional mills in New England which produced 172,910 M feet of lumber from timber salvaged from the hurricane of 1938.<sup>7</sup> Data collected by Vermont State Forest Service.<sup>8</sup> Data for the Lake States in 1944, the Prairie States in 1944 and 1945, and Illinois, Indiana, Missouri, and Ohio in 1944 are summations of monthly estimates of the U. S. Forest Service, and statements of sampling error were supplied by that agency.<sup>9</sup> Percentage of increase or decrease not calculated as quantity of lumber involved is too small to be significant.<sup>10</sup> Data for Kansas and Nebraska combined to avoid disclosing figures for individual companies.<sup>11</sup> Percentage of change calculated on combined production of Kansas and Nebraska to provide comparability with 1946 figures.<sup>12</sup> Data collected by sample survey are subject to large sampling error in the smaller producing States. Therefore, production for Nebraska was combined with that of the neighboring State of Kansas in 1944, 1945, and 1946.<sup>13</sup> Data collected by sample survey are subject to large sampling error in the smaller producing States. Therefore, production for Oklahoma was combined with that of the neighboring State of Arkansas in 1944 and 1945.<sup>14</sup> Combined to avoid disclosing figures for individual companies.<sup>15</sup> No production of lumber in Nevada in 1943.

TABLE 6-E.—LUMBER—PRODUCTION BY PRINCIPAL KIND OF WOOD, FOR SELECTED YEARS: 1939-1947

[For summary of States in which data were collected by canvass of all known mills and those for which production estimates were obtained by sample survey, see headnote, table 6-C. For explanation of sampling error and asterisks, see headnote, table 6-D]

[In thousands of board feet, lumber tally]

KIND OF WOOD	1947	1946	1945	1942	1939
Total production.....	35,404,212	34,112,357	28,122,344	36,332,248	25,148,384
Softwood, total.....	27,937,398	25,856,584	21,139,872	29,510,184	21,407,699
Cedar:					
Eastern.....	50,579	43,848	***25,000	38,735	27,337
Incese.....	79,543	71,361	52,524	40,696	
Port Orford.....	16,607	30,660	37,259	59,574	230,363
Western red.....	218,173	180,462	187,803	162,436	
Cypress.....	240,445	237,652	228,388	319,413	421,584
Fir:					
Balsam.....	27,368	*12,017	n.a.	9,173	20,002
Douglas.....	9,043,403	7,639,635	6,237,312	8,549,755	6,494,301
Red.....	n.a.	48,617	n.a.	n.a.	n.a.
White.....	672,870	*635,393	490,266	274,205	97,712
Hemlock.....	1,243,574	1,215,947	1,038,999	1,088,751	665,259
Larch.....	292,049	***268,635	190,722	201,222	111,488
Pine:					
Eastern white.....	1,118,556	1,164,816	1,022,625	1,082,651	2,667,626
Idaho white.....	251,907	253,262	246,128	395,303	499,560
Lodgepole.....	99,600	86,220	65,358	66,358	54,803
Ponderosa.....	3,839,058	3,630,315	3,056,281	4,030,180	3,380,004
Southern yellow.....	9,473,360	9,375,859	7,210,066	11,761,307	7,749,188
Sugar.....	343,173	343,978	228,103	338,386	308,929
Redwood.....	529,921	243,325	443,807	461,552	345,033
Spruce:					
Eastern.....	126,504	107,710	**117,387	147,258	104,491
Engelmann.....	101,777	93,173	70,591	77,829	241,668
Sitka.....	163,322	168,562	169,841	405,160	
Other softwoods.....	5,609	***5,107	***10,032		11,381
Hardwood, total.....	7,466,814	8,255,773	6,982,472	6,822,064	3,743,685
Alder.....	23,904	33,715	13,749	14,511	21,016
Ash.....	106,126	100,366	84,436	117,406	93,428
Basswood.....	125,514	115,621	100,044	133,438	95,706
Beech.....	330,111	329,693	362,140	317,384	110,564
Birch.....	174,842	172,527	151,869	214,734	140,738
Cherry.....	42,006	29,518	n.a.	n.a.	n.a.
Chestnut.....	32,887	44,128	n.a.	74,087	74,051
Cottonwood and aspen.....	380,910	311,964	209,038	282,562	129,858
Elm.....	202,023	180,120	158,513	167,153	73,645
Gum, black and tupelo.....	407,973	612,127	438,703	303,804	271,486
Gum, red and sap.....	803,043	1,079,720	970,678	839,522	382,693
Hickory.....	155,947	186,783	138,651	119,359	37,759
Maple.....	630,495	597,995	522,100	641,986	445,163
Oak.....	3,192,842	3,378,099	2,858,862	2,762,540	1,432,119
Yellow poplar.....	635,521	826,876	578,463	542,017	276,383
Sycamore.....	63,296	67,338	n.a.	77,698	27,104
Walnut.....	34,077	29,263	n.a.	55,248	27,007
Other hardwoods <sup>1</sup> .....	125,297	159,920	300,905	156,715	95,965

n.a.—Not available.

<sup>1</sup> Data for Prairie States in 1945 available for total softwood and total hardwood production only, 2,380 and 84,321 M feet, b.m., respectively. Therefore details for species do not add to softwood and hardwood totals for this year.

<sup>2</sup> Data revised to include timber in New England salvaged from the hurricane of 1938, and sold to the Northeastern Timber Salvage Administration, as follows: white pine, 153,924 M feet, b.m.; other softwoods, 11,381 M feet, b.m.; and hardwoods not specified by kind, 7,605 M feet, b.m.; total 172,910 M feet, b.m.

<sup>3</sup> Includes the following amounts of Alaska yellow cedar: 1947, 98 M feet, b.m.; 1946, 42 M feet, b.m.

<sup>4</sup> Includes 7,744 M feet, b.m. of noble fir and 4,067 M feet, b.m. of silver fir, for which separate production figures were requested.

<sup>5</sup> Production figures for larch (tamarack) not requested in Eastern States.

<sup>6</sup> Includes the following amounts of "Big Tree": 1947, 1,083 M feet, b.m.; 1946, 475 M feet, b.m.

<sup>7</sup> Includes unspecified amount of fir in Vermont.

<sup>8</sup> Includes the following amounts of Monterey pine: 1947, 4,052 M feet, b.m.; 1946, 3,800 M feet, b.m.

<sup>9</sup> Includes mixed woods, imported species, and woods not specified.

<sup>10</sup> Includes small amounts of buckeye, hackberry, locust, magnolia, pecan, persimmon, and willow. Figures for these species in the South were published in "Lumber Production in the South, 1946," Facts for Industry series M13G.16-06.

TABLE 6-F.—LUMBER—PRODUCTION BY KIND OF WOOD, BY GEOGRAPHIC REGIONS AND STATES: 1947

[In thousands of board feet, lumber tally]

REGION AND STATE	Total production	Softwood										Other soft woods									
		Total softwood	Cedar			Cy- press	Fir		Hem- lock	Larch	Pine			Red- wood	Spruce						
			East- ern	In- cense	Port Orford		Western red	Bal- sam			Doug- las	White	Lodge- pole		Ponde- rosa	Southern yellow	Sugar	White	East- ern	Engel- mann	Sitka
United States	35,404,212	27,337,398	50,579	79,543	16,607	1,218,173	240,445	27,368	9,043,403	672,870	1,243,574	292,049	99,600	3,839,058	9,473,360	343,173	1,370,463	126,504	101,777	163,322	5,609
New England States	1,140,613	978,049	3,317					18,281			179,277	7					687,175	89,771			
Connecticut	20,306	17,723	2,307					11,031			3,848						5,626				
Maine	459,271	436,513	397					820			73,279						315,333	34,473			
Massachusetts	132,244	103,791	17					486			23,244						76,083	3,322			
New Hampshire	322,509	288,029	639					5,944			40,175						235,486	11,863			
Rhode Island	2,544	1,471	37								152						53,973	40,074			
Vermont	203,739	138,512									38,479										
Middle Atlantic States	1,183,152	455,463	2,065					433			153,285	25					164,658	9,419			
Delaware	33,644	27,621	115								629						27,473				
Maryland	153,909	87,499	6								424						85,476				
New Jersey	32,423	6,183	1,793					427			74,278	25					3,388				
New York	383,271	199,329	135					6			77,954						115,092	8,792			
Pennsylvania	580,005	134,831	17														48,460	627			
Lake States	1,310,266	476,301	11,059					8,583			211,598	4,620					225,187	15,176			
Michigan	590,097	190,954	7,241					2,771			136,596	394					43,698	7,201			
Minnesota	244,363	118,368	1,243					4,714			75,002	1,488					108,601	6,182			
Wisconsin	485,806	157,979	2,575					1,098									75,998	1,783			
Central States	2,392,923	342,325	23,257					17,101			28,245	27					252,422	11,567			
Illinois	193,764	555	22					419			8,146						31,117				
Indiana	180,266	454	76					17									353				
Kentucky	438,722	44,130	3,743					765									33,142				
Missouri	258,380	38,244	906					2,900			627						175,080				
Ohio	285,452	2,896	7								4,913						149				
Tennessee	665,437	214,129	18,493					13,000			14,569						2,463	180			
West Virginia	483,802	40,917	10														8,606	11,387			
Prairie States	66,601	1,626	29					71			28,245	27					9,404	42			
Iowa	46,983	684	12					71									445	42			
Kansas and Nebraska	20,881	942															50				
North Dakota	637																				
South Atlantic States	3,576,737	2,599,083	7,556					62,293			21,958						2,476,293	529			
North Carolina	1,539,656	1,173,562	5,356					28,778			13,041						1,118,053	263			
South Carolina	871,014	685,664	2,200					2,943			7,603						654,785				
Virginia	1,166,067	739,857	2,200					7,973									708,505	276			
East Gulf States	4,015,954	2,159,112	2,486					80,070			1,243						3,074,080				
Alabama	1,794,961	1,258,751	2,003					3,343			50						1,258,353				
Florida	533,579	465,768	483					68,247									417,038				
Georgia	1,687,414	1,414,593						8,480			1,193						1,403,687				
Lower Mississippi States	5,381,379	3,626,698	809					79,939									3,545,610				
Arkansas	1,285,315	802,703	508					19,933									782,432				
Louisiana	1,269,380	757,300	29					37,897									719,108				
Mississippi	1,397,145	888,034	29					15,070									872,833				
Oklahoma	82,793	53,676	272														35,686				
Texas	1,346,746	1,124,985						7,039									1,117,674				
North Pacific States	10,807,811	10,773,051						9,189			547,060						1,491,362				
Oregon	7,102,410	7,087,719									188,802						1,196,074				
Washington	3,705,401	3,685,332									493,598						292,288				
South Pacific States	3,408,522	3,407,780									242						1,322,182				
California and Nevada	3,408,522	3,407,780															1,322,182				
North Rocky Mtn. States	1,459,759	1,449,878																			
Idaho	950,791	950,137																			
Montana	499,969	499,741																			
South Rocky Mtn. States	569,504	568,032																			
Arizona	220,017	219,987																			
Colorado	144,966	144,782																			
New Mexico	126,925	126,925																			
South Dakota	58,358	57,648																			
Utah	38,423	37,915																			
Wyoming	80,815	80,805																			

See footnotes at end of table.



TABLE 6-F.—LUMBER—PRODUCTION BY KIND OF WOOD, BY GEOGRAPHIC REGIONS AND STATES: 1947—Continued

GEOGRAPHIC REGION AND STATE	Hardwood																		
	Total hard-wood	Alder	Ash	Bass-wood	Beech	Birch	Cher-ry	Chest-nut	Cot-ton-wood and aspen	Elm	Gum		Hick-ory	Maple	Oak	Yel-low pop-lar	Syc-a-more	Wal-nut	Other hard-woods <sup>1</sup>
United States.....	7,466,814	23,904	106,126	125,514	330,111	174,842	42,006	32,887	380,910	202,023	407,973	803,043	155,947	630,495	3,192,842	63,296	34,077	125,297	
New England States.....	162,564		5,403	2,244	18,700	46,500	724	26	1,509	503	10		81	49,436	31,194	1		5,833	
Connecticut.....	10,573		91	55	25	288	11	13	317	25			51	942	2,907			105	
Maine.....	29,758		1,305	511	1,048	9,605	516	13	214	56			19	6,443	2,907			69	
Massachusetts.....	28,453		1,110	48	3,027	2,974	516	13	2	12	10			6,335	3,347			5,008	
New Hampshire.....	34,480		573	106	4,286	12,652	62		191	141			5	9,594	6,412			463	
Rhode Island.....	1,073		1	6	12									33	999				
Vermont.....	65,227		2,323	1,518	9,520	21,069	135		780	269			6	26,089	3,330			188	
Middle Atlantic States.....	727,689		17,413	25,802	70,281	32,946	32,633	2,041	2,595	10,509	1,086	4,719	11,364	145,162	317,206	1,513	884	9,293	
Delaware.....	6,023		111		25		1			135				65	4,785	30		1	
Maryland.....	66,310		130	30	1,802	9,605	610	281	352	135				1,801	39,457	677	78	155	
New Jersey.....	26,340		130		236	74	1	1	90	132				384	15,915	2,256	21	5,830	
New York.....	183,942		5,690	13,187	25,647	25,930	5,079	82	1,259	4,509	5	974	111	74,071	25,874	1,006	13	1,122	
Pennsylvania.....	445,174		11,470	12,472	42,571	6,432	27,062	1,677	894	5,703	390	298	9,051	68,841	23,175	800	771	2,186	
Lake States.....	833,965		22,195	52,977	24,721	78,429	1,083	113	199,972	73,653	2		861	253,792	121,759	1,466	329	2,464	
Michigan.....	390,143		7,816	17,779	23,497	49,372	989	113	44,747	30,081	2		716	169,237	33,232	1,466	262	696	
Minnesota.....	125,095		4,274	11,069	23,497	3,164	20		75,750	16,397				13,764	7,763		23	281	
Wisconsin.....	327,827		10,105	24,109	1,224	25,893	84		79,475	28,175			145	82,322	74,763		44	1,487	
Central States.....	2,050,598		26,207	34,196	172,899	12,221	6,354	14,173	50,122	60,037	29,350	45,576	91,521	129,995	1,120,761	185,649	21,573	15,879	
Illinois.....	99,209		7,735	1,368	586	294	62	88	8,908	6,728	313	2,676	3,118	4,729	63,246	896	4,461	822	
Indiana.....	179,812		2,977	1,368	22,328	295	843	136	7,216	11,030	1,550	3,470	6,414	15,776	82,318	10,432	3,773	2,134	
Kentucky.....	394,592		2,463	8,412	55,533	1,127	463	513	4,420	2,429	7,008	13,963	15,623	15,628	203,639	52,130	4,767	1,818	
Missouri.....	290,136		4,406	16	52	66	15		17,417	8,240	2,282	1,773	1,681	3,279	167,583	279	8,359	1,029	
Ohio.....	262,556		7,436	2,691	27,917	505	2,081		3,622	22,414	1,129	751	9,606	33,964	124,977	17,419	3,832	7,574	
Tennessee.....	451,308		6,586	2,247	39,453	619	404		8,435	8,755	12,062	20,928	18,799	10,404	255,091	52,575	4,662	4,040	
West Virginia.....	442,985		4,094	15,766	27,020	9,315	2,436	9,360	104	441	4,406	2,015	36,280	46,215	223,607	4,632	2,064	4,292	
Prairie States.....	64,975		718	2,098	150	150	44		20,373	8,829			178	4,139	18,923		8,428	267	
Iowa.....	44,409		682	2,086		150	44		11,754	6,832			91	3,582	15,858		3,245	27	
Kansas and Nebraska.....	19,939		36						8,005	1,597			87		3,062		5,183	240	
North Dakota.....	627			10					614										
South Atlantic States.....	977,654		6,367	5,533	12,317	3,455	819	15,977	1,612	1,925	116,623	105,035	15,870	21,516	469,932	6,155	1,393	2,993	
North Carolina.....	366,094		2,718	2,382	2,659	1,654	390	13,225	224	179	46,388	34,260	4,414	7,847	176,078	1,777	100	1,360	
South Carolina.....	185,350		2,381	3,118	1,311	1,663	25	25	1,226	1,625	50,893	50,362	1,238	6,507	48,144	1,724	1	1,789	
Virginia.....	426,210		1,368	3,118	9,327	1,238	429	2,727	1,238	121	19,342	20,413	10,218	7,162	245,710	99,875	1,262	854	
East Gulf States.....	856,842		8,934	1,815	3,218	404	34	557	7,105	3,394	81,279	251,004	8,476	5,888	268,495	190,637	6,827	198	
Alabama.....	536,210		2,895	1,519	3,119	241	5		6,236	2,689	46,797	159,902	6,512	2,408	191,313	101,001	4,333	88	
Florida.....	47,811		2,897				27		31	5,762	73,457	319	387	6,910	5,003	2,654	110	9,020	
Georgia.....	272,821		3,642	296	99	163	2		369	674	28,720	73,457	1,645	3,093	70,272	84,693		2,195	
Lower Mississippi States.....	1,754,681		18,648	849	27,975	637	245		91,299	43,173	179,623	396,709	27,596	13,641	844,212	25,155	1,172	69,899	
Arkansas.....	482,612		2,852		9	9	14		18,219	11,546	12,803	112,231	6,754	2,913	298,040	1,122	1,119	8,157	
Louisiana.....	512,080		10,633	220	3,201	9,624	91		20,671	13,828	83,495	120,408	5,837	2,623	196,299	4,401	5,100	38,922	
Mississippi.....	509,111		3,419	427	13,992	340	136		40,482	9,162	86,788	107,934	11,199	5,918	207,299	19,612	3,501	18,892	
Oklahoma.....	29,117		177	175	185	185			4,962	3,882	887	2,023	543	785	14,486	20	23	381	
Texas.....	221,761		1,667	202	1,083	75	4		6,965	5,055	15,650	54,113	3,263	1,402	128,088	627	20	3,547	
North Pacific States.....	34,760	23,224	240						4,014					6,928	298			58	
Oregon.....	14,691	9,644	240						2,203					2,439	146			19	
Washington.....	20,069	13,580							1,811					4,487	152			39	
South Pacific States.....	742	680																	
California and Nevada.....	742	680																	
North Rocky Mountain States.....	872								870										
Idaho.....	654								216										
Montana.....	218																		
South Rocky Mountain States.....	1,472		1						1,439										
Arizona.....	30																		
Colorado.....	214								214										
New Mexico.....																			
South Dakota.....	710								710										
Utah.....	598		1						505										
Wyoming.....	10								10										

<sup>1</sup> Includes 98 M feet, b.m. of Alaska yellow cedar.<sup>2</sup> Includes 1,083 M feet, b.m. of "Big Tree."<sup>3</sup> Includes mixed woods, imported species, and woods not specified.<sup>4</sup> Consists of lumber cut from salvaged logs (river piling).<sup>5</sup> Consists of Douglas fir and ponderosa pine lumber, quantities not specified, cut from salvaged logs (river piling).<sup>6</sup> Consists of Monterey pine cut in California.



TABLE 6-G.—LUMBER—PRODUCTION AND NUMBER OF MILLS, CLASSIFIED BY SIZE OF MILL BASED ON AMOUNT OF LUMBER SAWED IN 1947, BY GEOGRAPHIC REGIONS AND STATES, FOR THE UNITED STATES: 1947

Data which cannot be shown without disclosing information for individual companies have been combined horizontally with figures for the smaller class to the right. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

[In thousands of board feet, lumber tally]

REGION AND STATE	Total		Production in mills sawing—											
			50,000 M ft., b.m. and over		25,000 M through 49,999 M ft., b.m.		15,000 M through 24,999 M ft., b.m.		10,000 M through 14,999 M ft., b.m.		5,000 M through 9,999 M ft., b.m.		3,000 M through 4,999 M ft., b.m.	
	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed
<b>United States</b>	<b>53, 109</b>	<b>35, 404, 212</b>	<b>43</b>	<b>3, 904, 165</b>	<b>122</b>	<b>4, 253, 875</b>	<b>150</b>	<b>2, 823, 382</b>	<b>181</b>	<b>2, 176, 600</b>	<b>608</b>	<b>4, 169, 311</b>	<b>750</b>	<b>2, 829, 964</b>
<b>New England States</b>	<b>2, 359</b>	<b>1, 140, 613</b>									<b>7</b>	<b>46, 904</b>	<b>26</b>	<b>94, 266</b>
Connecticut	191	20, 306												
Maine	742	459, 271									<b>4</b>	<b>27, 321</b>	<b>13</b>	<b>48, 793</b>
Massachusetts	473	132, 244									<b>1</b>	<b>(<sup>d</sup>)</b>		
New Hampshire	479	322, 509									<b>2</b>	<b>(<sup>d</sup>)</b>	<b>8</b>	<b>43, 643</b>
Rhode Island	23	2, 544												
Vermont	451	203, 730											<b>5</b>	<b>(<sup>d</sup>)</b>
<b>Middle Atlantic States</b>	<b>5, 617</b>	<b>1, 189, 152</b>									<b>7</b>	<b>43, 969</b>	<b>12</b>	<b>47, 451</b>
Delaware	146	33, 644												
Maryland	716	154, 809									<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>(<sup>d</sup>)</b>
New Jersey	238	32, 423									<b>1</b>	<b>(<sup>d</sup>)</b>		
New York	1, 700	383, 271									<b>5</b>	<b>(<sup>d</sup>)</b>	<b>4</b>	<b>48, 686</b>
Pennsylvania	2, 727	580, 005											<b>7</b>	<b>26, 992</b>
<b>Lake States</b>	<b>5, 200</b>	<b>1, 310, 266</b>			<b>2</b>	<b>(<sup>d</sup>)</b>	<b>5</b>	<b>159, 182</b>	<b>6</b>	<b>76, 845</b>	<b>22</b>	<b>160, 338</b>	<b>30</b>	<b>109, 134</b>
Michigan	1, 899	580, 097			<b>1</b>	<b>(<sup>d</sup>)</b>	<b>2</b>	<b>(<sup>d</sup>)</b>	<b>5</b>	<b>133, 964</b>	<b>12</b>	<b>91, 120</b>	<b>20</b>	<b>73, 311</b>
Minnesota	1, 525	244, 363									<b>4</b>	<b>23, 867</b>	<b>1</b>	<b>(<sup>d</sup>)</b>
Wisconsin	1, 770	485, 806			<b>1</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>102, 013</b>	<b>6</b>	<b>45, 351</b>	<b>9</b>	<b>(<sup>d</sup>)</b>
<b>Central States</b>	<b>12, 659</b>	<b>2, 392, 923</b>					<b>3</b>	<b>55, 127</b>	<b>3</b>	<b>35, 834</b>	<b>17</b>	<b>102, 740</b>	<b>33</b>	<b>123, 909</b>
Illinois	1, 155	99, 764											<b>1</b>	<b>(<sup>d</sup>)</b>
Indiana	937	180, 206											<b>2</b>	<b>(<sup>d</sup>)</b>
Kentucky	2, 168	438, 722							<b>1</b>	<b>(<sup>d</sup>)</b>	<b>6</b>	<b>48, 174</b>	<b>8</b>	<b>28, 998</b>
Missouri	2, 672	250, 380									<b>1</b>	<b>(<sup>d</sup>)</b>	<b>2</b>	<b>12, 792</b>
Ohio	1, 644	205, 452												
Tennessee	2, 507	665, 437							<b>2</b>	<b>(<sup>d</sup>)</b>	<b>5</b>	<b>54, 767</b>	<b>9</b>	<b>35, 283</b>
West Virginia	1, 516	483, 092					<b>3</b>	<b>55, 127</b>			<b>5</b>	<b>29, 707</b>	<b>11</b>	<b>42, 407</b>
<b>Prairie States</b>	<b>1, 070</b>	<b>66, 601</b>												
Iowa	686	45, 093												
Kansas and Nebraska <sup>a</sup>	371	20, 881												
North Dakota	13	627												
<b>South Atlantic States</b>	<b>9, 127</b>	<b>3, 576, 737</b>			<b>2</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>118, 381</b>	<b>7</b>	<b>86, 532</b>	<b>44</b>	<b>302, 824</b>	<b>72</b>	<b>274, 194</b>
North Carolina	4, 588	1, 539, 650					<b>1</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>(<sup>d</sup>)</b>	<b>14</b>	<b>145, 932</b>	<b>34</b>	<b>129, 233</b>
South Carolina	1, 438	871, 014			<b>1</b>	<b>(<sup>d</sup>)</b>	<b>2</b>	<b>(<sup>d</sup>)</b>	<b>4</b>	<b>116, 097</b>	<b>17</b>	<b>119, 290</b>	<b>23</b>	<b>87, 753</b>
Virginia	3, 101	1, 166, 067			<b>1</b>	<b>(<sup>d</sup>)</b>					<b>13</b>	<b>126, 418</b>	<b>15</b>	<b>57, 208</b>
<b>East Gulf States</b>	<b>6, 131</b>	<b>4, 015, 954</b>			<b>2</b>	<b>(<sup>d</sup>)</b>	<b>7</b>	<b>191, 741</b>	<b>18</b>	<b>214, 946</b>	<b>48</b>	<b>319, 035</b>	<b>109</b>	<b>396, 022</b>
Alabama	2, 605	1, 791, 961					<b>3</b>	<b>57, 471</b>	<b>11</b>	<b>134, 780</b>	<b>26</b>	<b>178, 494</b>	<b>40</b>	<b>181, 494</b>
Florida	650	533, 670			<b>2</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>131, 084</b>	<b>5</b>	<b>31, 153</b>	<b>21</b>	<b>76, 137</b>
Georgia	2, 807	1, 687, 414					<b>1</b>	<b>(<sup>d</sup>)</b>	<b>6</b>	<b>83, 352</b>	<b>17</b>	<b>109, 398</b>	<b>39</b>	<b>138, 391</b>
<b>Lower Mississippi States</b>	<b>5, 985</b>	<b>5, 381, 379</b>			<b>10</b>	<b>329, 693</b>	<b>32</b>	<b>593, 540</b>	<b>42</b>	<b>497, 766</b>	<b>164</b>	<b>1, 131, 011</b>	<b>172</b>	<b>655, 240</b>
Arkansas	1, 803	1, 285, 316			<b>3</b>	<b>(<sup>d</sup>)</b>	<b>6</b>	<b>220, 690</b>	<b>9</b>	<b>105, 021</b>	<b>43</b>	<b>300, 415</b>	<b>43</b>	<b>159, 053</b>
Louisiana	614	1, 269, 380			<b>1</b>	<b>(<sup>d</sup>)</b>	<b>10</b>	<b>216, 447</b>	<b>14</b>	<b>166, 787</b>	<b>43</b>	<b>307, 781</b>	<b>51</b>	<b>197, 140</b>
Mississippi	1, 890	1, 397, 145			<b>2</b>	<b>(<sup>d</sup>)</b>	<b>2</b>	<b>(<sup>d</sup>)</b>	<b>10</b>	<b>245, 160</b>	<b>39</b>	<b>259, 115</b>	<b>38</b>	<b>146, 804</b>
Oklahoma	297	82, 793			<b>1</b>	<b>(<sup>d</sup>)</b>			<b>1</b>	<b>(<sup>d</sup>)</b>			<b>1</b>	<b>(<sup>d</sup>)</b>
Texas	1, 012	1, 346, 746			<b>3</b>	<b>(<sup>d</sup>)</b>	<b>14</b>	<b>330, 869</b>	<b>8</b>	<b>98, 487</b>	<b>39</b>	<b>263, 700</b>	<b>30</b>	<b>(<sup>d</sup>)</b>
<b>North Pacific States</b>	<b>2, 271</b>	<b>10, 867, 811</b>	<b>29</b>	<b>2, 773, 546</b>	<b>77</b>	<b>2, 710, 489</b>	<b>69</b>	<b>1, 290, 955</b>	<b>67</b>	<b>788, 906</b>	<b>182</b>	<b>1, 265, 179</b>	<b>179</b>	<b>692, 850</b>
Oregon	1, 466	7, 102, 410	<b>17</b>	<b>1, 550, 707</b>	<b>51</b>	<b>1, 788, 769</b>	<b>48</b>	<b>896, 213</b>	<b>55</b>	<b>649, 866</b>	<b>131</b>	<b>907, 297</b>	<b>125</b>	<b>481, 506</b>
Washington	808	3, 765, 401	<b>12</b>	<b>1, 222, 839</b>	<b>26</b>	<b>921, 720</b>	<b>21</b>	<b>394, 742</b>	<b>12</b>	<b>139, 040</b>	<b>51</b>	<b>357, 882</b>	<b>54</b>	<b>211, 344</b>
<b>South Pacific States</b>	<b>884</b>	<b>3, 408, 522</b>	<b>7</b>	<b>568, 553</b>	<b>25</b>	<b>889, 777</b>	<b>21</b>	<b>414, 083</b>	<b>31</b>	<b>385, 308</b>	<b>73</b>	<b>499, 261</b>	<b>61</b>	<b>227, 016</b>
California and Nevada <sup>a</sup>	884	3, 408, 522	<b>7</b>	<b>568, 553</b>	<b>25</b>	<b>889, 777</b>	<b>21</b>	<b>414, 083</b>	<b>31</b>	<b>385, 308</b>	<b>73</b>	<b>499, 261</b>	<b>61</b>	<b>227, 016</b>
<b>North Rocky Mountain States</b>	<b>795</b>	<b>1, 450, 750</b>	<b>5</b>	<b>(<sup>d</sup>)</b>	<b>4</b>	<b>585, 847</b>	<b>8</b>	<b>(<sup>d</sup>)</b>	<b>4</b>	<b>209, 724</b>	<b>33</b>	<b>222, 153</b>	<b>35</b>	<b>129, 685</b>
Idaho	388	950, 791	<b>3</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>394, 833</b>	<b>8</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>189, 275</b>	<b>22</b>	<b>148, 498</b>	<b>17</b>	<b>61, 840</b>
Montana	407	499, 959	<b>2</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>(<sup>d</sup>)</b>			<b>1</b>	<b>202, 063</b>	<b>11</b>	<b>73, 655</b>	<b>18</b>	<b>67, 845</b>
<b>South Rocky Mountain States</b>	<b>1, 008</b>	<b>669, 504</b>	<b>2</b>	<b>(<sup>d</sup>)</b>			<b>2</b>	<b>(<sup>d</sup>)</b>	<b>3</b>	<b>181, 297</b>	<b>11</b>	<b>75, 897</b>	<b>21</b>	<b>80, 197</b>
Arizona	61	220, 017	<b>2</b>	<b>(<sup>d</sup>)</b>			<b>1</b>	<b>(<sup>d</sup>)</b>			<b>5</b>	<b>161, 695</b>	<b>7</b>	<b>26, 959</b>
Colorado	403	144, 066					<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>(<sup>d</sup>)</b>	<b>8</b>	<b>34, 684</b>
New Mexico	162	126, 025							<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>50, 288</b>	<b>3</b>	<b>11, 423</b>
South Dakota	70	58, 358							<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>25, 159</b>
Utah	142	38, 423							<b>1</b>	<b>(<sup>d</sup>)</b>	<b>1</b>	<b>(<sup>d</sup>)</b>	<b>2</b>	<b>27, 206</b>
Wyoming	170	80, 815												

See footnotes at end of table.

TABLE 6-G.—LUMBER—PRODUCTION AND NUMBER OF MILLS, CLASSIFIED BY SIZE OF MILL BASED ON AMOUNT OF LUMBER SAWED IN 1947, BY GEOGRAPHIC REGIONS AND STATES, FOR THE UNITED STATES: 1947—Continued

REGION AND STATE	Production in mills sawing--										Idle mills <sup>1</sup>	New mills <sup>2</sup>
	1,000 M through 2,999 M ft., b.m.		500 M through 999 M ft., b.m.		200 M through 499 M ft., b.m.		50 M through 199 M ft., b.m.		1 M through 49 M ft., b.m.			
	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed	Number of active mills	Lumber sawed		
United States.....	3,717	6,151,232	6,429	4,608,749	6,238	2,051,132	19,102	2,123,002	15,769	312,800	8,442	1,852
New England States.....	315	500,909	392	286,290	330	110,646	783	90,844	506	10,754	369	90
Connecticut.....	1	(d)	7	6,288	15	(d)	64	12,154	104	1,864	68	7
Maine.....	110	193,456	162	118,523	118	40,655	235	20,920	91	2,603	68	47
Massachusetts.....	35	54,898	54	39,184	47	15,153	186	20,160	150	2,854	91	3
New Hampshire.....	104	172,481	89	64,161	72	23,047	149	17,473	55	1,104	68	11
Rhode Island.....			1	(d)	1	(d)	12	2,338	0	206	11	1
Vermont.....	56	100,998	79	58,478	77	25,907	137	16,773	97	2,123	63	21
Middle Atlantic States.....	182	281,364	503	350,688	633	208,795	1,942	209,737	2,338	41,148	1,167	171
Delaware.....	5	8,100	22	15,982	12	4,485	37	4,003	70	1,074	16	7
Maryland.....	30	55,439	65	46,249	75	24,524	205	22,077	339	5,520	137	22
New Jersey.....	6	13,802	9	6,755	11	3,410	65	6,047	146	2,349	50	5
New York.....	73	119,736	116	81,707	147	40,313	651	60,547	794	14,282	461	42
Pennsylvania.....	68	99,969	291	199,995	388	127,063	984	108,063	989	17,923	503	95
Lake States.....	127	203,567	311	216,106	500	157,327	1,754	185,852	2,443	41,965	1,229	155
Michigan.....	50	83,382	93	65,732	158	49,325	655	67,869	903	15,394	405	70
Minnesota.....	29	48,898	83	54,667	170	52,138	506	52,206	732	12,587	401	36
Wisconsin.....	48	107,110	135	95,707	172	55,864	593	65,777	808	13,984	423	49
Central States.....	255	404,559	854	584,434	1,279	407,386	5,469	583,149	4,746	95,785	2,137	413
Illinois.....	8	10,403	30	20,292	55	17,938	340	33,300	715	11,822	375	25
Indiana.....	28	52,590	77	53,524	74	23,370	423	44,210	333	6,572	167	17
Kentucky.....	44	68,423	145	90,308	200	64,950	1,033	112,418	731	10,451	306	46
Missouri.....	17	26,249	49	33,173	159	49,697	1,079	110,592	1,365	26,877	405	46
Ohio.....	20	31,271	117	79,559	221	70,167	873	72,018	613	11,867	297	49
Tennessee.....	79	123,258	270	152,294	390	123,819	1,207	132,717	605	13,299	370	146
West Virginia.....	59	96,720	166	116,304	180	57,445	708	77,285	384	8,907	208	84
Prairie States.....	4	7,609	14	10,077	21	6,073	315	31,761	716	11,081	438	30
Iowa.....	2	(d)	10	10,047	18	5,168	225	22,788	431	7,090	227	22
Kansas and Nebraska <sup>3</sup> .....	2	(d)	4	7,639	3	905	86	8,491	276	3,846	175	7
North Dakota.....							4	482	0	145	36	1
South Atlantic States.....	643	994,975	1,387	985,333	1,204	399,267	3,349	362,361	2,416	52,870	1,195	319
North Carolina.....	252	395,727	624	436,686	602	199,222	1,882	205,299	1,176	27,557	545	178
South Carolina.....	167	254,686	243	174,360	201	68,800	407	42,503	373	7,525	240	45
Virginia.....	224	344,562	520	374,287	401	131,245	1,060	114,559	867	17,788	410	96
East Gulf States.....	824	1,313,878	1,889	1,029,850	843	284,597	2,053	247,276	838	18,609	708	269
Alabama.....	372	595,077	549	407,426	352	115,032	937	117,912	306	7,275	298	111
Florida.....	101	171,007	95	65,546	93	32,341	221	24,005	117	2,306	115	19
Georgia.....	351	547,794	745	556,878	398	137,224	895	105,359	415	9,028	295	139
Lower Mississippi States.....	613	1,073,075	793	570,928	665	226,155	2,284	276,587	1,210	27,384	760	279
Arkansas.....	104	183,835	193	136,904	226	76,472	775	91,931	461	10,004	229	77
Louisiana.....	120	221,293	125	89,968	87	31,821	284	34,312	179	3,831	99	40
Mississippi.....	212	360,990	285	204,583	218	74,430	787	99,029	306	7,094	246	81
Oklahoma.....	6	(d)	13	59,800	13	3,982	157	17,014	105	2,597	55	5
Texas.....	171	(d)	177	570,921	121	39,450	281	34,301	159	3,018	131	67
North Pacific States.....	436	806,620	429	319,695	334	110,047	368	46,822	104	2,702	109	29
Oregon.....	289	532,323	269	199,399	203	66,050	211	27,892	67	1,788	59	18
Washington.....	147	274,297	160	120,296	131	43,397	157	18,930	37	914	50	11
South Pacific States.....	145	266,958	131	96,423	112	38,156	178	20,590	100	2,397	135	54
California and Nevada <sup>3</sup> .....	145	266,958	131	96,423	112	38,156	178	20,590	100	2,397	135	54
North Rocky Mountain States.....	92	165,998	97	69,426	109	34,964	260	29,724	148	3,229	84	16
Idaho.....	44	80,545	51	35,723	44	14,239	125	15,008	68	1,430	47	8
Montana.....	48	85,453	46	33,703	65	20,725	135	14,716	80	1,799	37	8
South Rocky Mountain States.....	81	131,720	129	89,499	208	67,719	347	38,299	204	4,876	111	27
Arizona.....	11	18,105	13	9,849	6	1,988	9	1,242	7	160	5	3
Colorado.....	16	29,683	49	34,380	92	29,605	138	14,316	99	2,298	61	6
New Mexico.....	22	33,594	20	13,939	30	9,874	60	7,266	22	541	23	8
South Dakota.....	15	24,846	6	4,700	4	1,007	21	2,200	21	409	8	7
Utah.....	6	10,070	14	9,830	35	11,605	59	6,168	28	850	12	7
Wyoming.....	11	15,422	27	16,801	41	13,730	60	7,107	27	540	12	3

<sup>1</sup> Sawmills that did not operate during any part of 1947.<sup>2</sup> New sawmills found in the canvass during the first half of 1948 but which were not in existence in 1947.<sup>3</sup> Combined to avoid disclosing figures for individual companies.

# LUMBER AND TIMBER BASIC PRODUCTS

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TABLE 6-H.—LUMBER—PRODUCTION AND SAWMILL STOCKS OF SOFTWOOD AND HARDWOOD, BY GEOGRAPHIC REGIONS AND STATES: DECEMBER 31, 1947 AND 1946<sup>1</sup>

[In thousands of board feet, lumber tally]

REGION AND STATE	Total				Softwood				Hardwood			
	Production, 1947	Stocks			Production, 1947	Stocks			Production, 1947	Stocks		
		Decem- ber 31, 1947	Decem- ber 31, 1946	Percent of increase		Decem- ber 31, 1947	Decem- ber 31, 1946	Percent of increase		Decem- ber 31, 1947	Decem- ber 31, 1946	Percent of increase
United States.....	35,404,212	3,596,059	2,902,571	23.9	27,937,398	2,675,847	2,199,780	21.3	7,466,814	920,212	702,791	32.0
New England States.....	1,140,613	179,933	131,447	36.9	978,049	153,049	114,570	33.6	162,564	26,884	16,877	59.3
Connecticut and Rhode Island <sup>2</sup> .....	22,850	2,041	1,123	( <sup>3</sup> )	11,204	1,193	789	( <sup>3</sup> )	11,646	848	334	( <sup>3</sup> )
Maine.....	450,271	04,377	46,402	38.7	430,513	01,941	44,186	40.2	22,758	2,436	2,210	( <sup>3</sup> )
Massachusetts.....	132,244	14,357	10,726	33.9	103,791	11,562	9,095	19.3	28,463	2,795	1,031	( <sup>3</sup> )
New Hampshire.....	322,509	73,855	57,792	27.8	288,029	64,566	52,134	23.8	34,480	9,289	5,658	( <sup>3</sup> )
Vermont.....	203,730	25,303	15,404	64.3	138,512	13,787	7,766	77.5	65,227	11,516	7,638	50.8
Middle Atlantic States.....	1,183,152	86,830	60,592	43.5	455,463	33,968	21,875	55.3	727,689	52,862	38,627	36.9
Delaware.....	33,044	207	194	( <sup>3</sup> )	27,621	133	133	06.9	0,023	75	61	( <sup>3</sup> )
Maryland.....	153,809	6,164	3,045	( <sup>3</sup> )	87,499	3,432	1,742	97.0	66,310	2,732	1,303	( <sup>3</sup> )
New Jersey.....	32,423	1,325	1,083	( <sup>3</sup> )	6,183	945	200	( <sup>3</sup> )	20,240	980	883	( <sup>3</sup> )
New York.....	383,271	43,753	32,350	35.2	199,329	18,883	12,290	49.6	183,942	25,370	20,060	26.4
Pennsylvania.....	580,005	35,201	23,830	48.1	134,831	11,586	7,510	54.3	445,174	23,705	16,320	45.2
Lake States.....	1,310,266	153,280	103,730	47.8	476,301	53,002	35,867	47.3	833,965	100,278	67,863	47.7
Michigan.....	580,097	76,072	54,438	39.7	199,954	20,123	18,772	39.2	380,143	44,949	35,666	40.0
Minnesota.....	244,363	17,640	6,638	165.0	118,368	8,377	3,663	128.6	125,995	9,272	2,975	( <sup>3</sup> )
Wisconsin.....	485,806	59,560	42,654	39.6	157,979	18,502	13,432	37.7	327,827	41,057	29,222	40.5
Central States.....	2,392,923	188,468	150,759	25.0	342,325	19,674	18,301	7.6	2,050,598	168,794	132,458	27.4
Illinois.....	99,764	5,766	4,224	( <sup>3</sup> )	555	32	32	( <sup>3</sup> )	99,209	5,724	4,192	( <sup>3</sup> )
Indiana.....	180,266	8,347	6,576	( <sup>3</sup> )	454	40	2	( <sup>3</sup> )	179,812	8,307	6,574	( <sup>3</sup> )
Kentucky.....	438,722	50,940	35,212	53.4	44,130	3,780	4,058	( <sup>3</sup> )	394,592	47,160	29,154	61.8
Missouri.....	259,380	10,806	8,858	19.7	39,244	2,225	1,333	( <sup>3</sup> )	220,136	8,381	7,525	( <sup>3</sup> )
Ohio.....	265,452	9,774	6,925	( <sup>3</sup> )	2,896	248	190	( <sup>3</sup> )	262,556	9,526	6,735	( <sup>3</sup> )
Tennessee.....	605,437	64,011	55,436	15.5	214,129	10,055	8,178	23.0	451,308	53,956	47,258	13.9
West Virginia.....	483,902	39,034	35,628	9.9	40,917	3,294	4,508	( <sup>3</sup> )	442,985	35,740	31,020	15.2
Prairie States.....	66,601	2,473	1,491	65.9	1,626	30	17	( <sup>3</sup> )	64,975	2,443	1,474	( <sup>3</sup> )
Iowa.....	45,093	1,300	760	( <sup>3</sup> )	984	-----	-----	-----	44,409	1,360	760	( <sup>3</sup> )
Kansas, Nebraska, and North Dakota <sup>2</sup> .....	21,508	1,113	731	( <sup>3</sup> )	942	30	17	( <sup>3</sup> )	20,560	1,083	714	( <sup>3</sup> )
South Atlantic States.....	3,576,737	235,318	187,823	25.3	2,599,083	123,004	99,210	24.0	977,654	112,314	88,613	26.7
North Carolina.....	1,539,656	78,066	61,521	26.9	1,173,562	47,364	36,539	29.6	366,094	30,702	24,982	22.9
South Carolina.....	871,014	87,394	74,208	17.7	685,664	41,322	36,615	12.9	185,350	46,072	37,633	22.4
Virginia.....	1,166,067	69,858	52,034	34.3	739,857	34,318	26,056	31.7	426,210	35,540	25,978	36.8
East Gulf States.....	4,015,954	276,092	242,493	13.8	3,159,112	196,221	169,130	16.0	856,842	79,871	73,363	8.8
Alabama.....	1,704,961	109,771	142,667	19.0	1,258,751	114,828	89,684	28.0	536,210	64,943	52,983	3.7
Florida.....	533,570	46,446	43,993	5.6	485,768	39,889	39,490	1.0	47,811	6,557	4,497	( <sup>3</sup> )
Georgia.....	1,087,414	59,875	55,833	7.2	1,414,593	41,504	39,950	3.9	272,821	18,371	15,883	15.7
Lower Mississippi States.....	5,381,379	709,854	546,419	28.3	3,626,698	327,505	266,235	23.0	1,754,681	373,349	280,184	33.3
Arkansas and Oklahoma <sup>2</sup> .....	1,368,108	209,933	109,455	22.1	856,379	86,996	78,038	11.5	511,729	119,937	91,417	31.2
Louisiana.....	1,209,380	196,005	152,220	29.2	757,300	75,655	60,577	24.9	512,080	120,950	91,652	32.0
Mississippi.....	1,397,145	164,967	126,313	31.6	888,034	78,231	56,469	38.5	509,111	86,736	68,844	26.0
Texas.....	1,346,746	132,349	99,422	33.1	1,124,985	80,623	71,151	21.7	221,761	45,726	28,271	61.7
North Pacific States.....	10,807,811	815,955	694,877	17.4	10,773,051	812,895	691,708	17.5	34,760	3,060	3,169	( <sup>3</sup> )
Oregon.....	7,102,410	472,724	392,185	20.5	7,087,719	470,678	390,132	20.6	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
Washington.....	3,705,401	343,231	302,692	13.4	3,685,332	342,217	301,576	13.5	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
South Pacific States.....	3,408,522	627,175	513,234	22.2	3,407,780	627,162	513,231	22.2	742	13	3	( <sup>3</sup> )
California and Nevada <sup>2</sup> .....	3,408,522	627,175	513,234	22.2	3,407,780	627,162	513,231	22.2	742	13	3	( <sup>3</sup> )
North Rocky Mountain States.....	1,450,750	260,762	224,102	16.4	1,449,878	260,762	224,002	16.4	872	-----	100	( <sup>3</sup> )
Idaho.....	950,791	210,060	181,089	19.1	950,137	216,659	181,889	19.1	( <sup>4</sup> )	-----	( <sup>4</sup> )	-----
Montana.....	499,959	44,103	42,113	4.7	499,741	44,103	42,113	4.7	( <sup>4</sup> )	-----	( <sup>4</sup> )	-----
South Rocky Mountain States.....	669,504	68,919	45,694	50.8	668,032	68,575	45,634	50.3	1,472	344	60	( <sup>3</sup> )
Arizona.....	220,017	27,002	12,889	110.3	219,987	26,718	12,809	108.6	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
Colorado.....	144,966	7,791	7,002	( <sup>3</sup> )	144,752	7,791	7,002	( <sup>3</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
New Mexico.....	120,025	8,971	4,950	( <sup>3</sup> )	126,025	8,971	4,950	( <sup>3</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
South Dakota.....	58,368	14,148	13,207	6.6	57,648	14,148	13,267	6.6	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
Utah.....	38,423	1,238	901	( <sup>3</sup> )	37,915	1,238	901	( <sup>3</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----
Wyoming.....	80,815	9,709	6,705	( <sup>3</sup> )	80,805	9,709	6,705	( <sup>3</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	-----

<sup>1</sup> Stocks at mills which operated in 1946 but which were idle in 1947 are not included in these data.

<sup>2</sup> Combined to avoid disclosing figures for individual companies.

<sup>3</sup> Percentage of change not calculated as quantities involved are too small to be significant.

<sup>4</sup> Hardwood stocks not listed for Western States as quantities are insignificant.

TABLE 6-I.—LUMBER—SAWMILL STOCKS CLASSIFIED BY SIZE OF MILL BASED ON AMOUNT OF LUMBER SAWED IN 1947, BY GEOGRAPHIC REGIONS: DECEMBER 31, 1947 AND 1946<sup>1</sup>

[Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics. In such cases the detail will not add to the total]

[In thousands of board feet, lumber tally]

REGION, DATE, AND PERCENT OF CHANGE	Total stocks	50,000 M feet, b.m. and over	25,000 M through 49,999 M feet, b.m.	15,000 M through 24,999 M feet, b.m.	10,000 M through 14,999 M feet, b.m.	5,000 M through 9,999 M feet, b.m.	3,000 M through 4,999 M feet, b.m.	1,000 M through 2,999 M feet, b.m.	500 M through 999 M feet, b.m.	200 M through 499 M feet, b.m.	50 M through 199 M feet, b.m.	1 M through 49 M feet, b.m.
<b>UNITED STATES:</b>												
December 31, 1947	3,596,059	362,124	726,682	549,839	293,061	572,745	300,396	465,404	170,253	78,895	63,142	13,518
December 31, 1946	2,902,571	349,418	646,247	442,186	239,548	427,286	264,388	334,940	116,851	54,050	31,061	7,596
Percent of change	23.9	3.6	12.6	24.3	22.3	34.0	18.1	38.9	45.7	46.0	103.3	78.0
<b>New England States:</b>												
December 31, 1947	179,933					( <sup>d</sup> )	48,722	85,023	32,664	11,210	6,547	1,767
December 31, 1946	131,447					( <sup>d</sup> )	56,422	57,530	23,120	9,234	3,908	1,227
Percent of change	36.9						17.2	47.8	41.2	21.4	67.5	( <sup>1</sup> )
<b>Middle Atlantic States:</b>												
December 31, 1947	86,830					7,623	5,503	25,656	22,148	13,119	10,805	1,916
December 31, 1946	60,602					7,425	5,331	19,853	13,755	8,262	5,209	667
Percent of change	43.5					2.7	4.3	29.2	61.0	58.8	107.4	( <sup>1</sup> )
<b>Lake States:</b>												
December 31, 1947	153,280		( <sup>d</sup> )	31,211	12,654	31,290	14,199	20,418	16,157	8,936	13,195	5,220
December 31, 1946	103,730		( <sup>d</sup> )	26,990	11,603	21,949	12,607	10,892	8,301	4,271	5,483	1,634
Percent of change	47.8			15.6	9.1	42.6	12.6	87.5	94.6	109.2	140.7	219.5
<b>Central States:</b>												
December 31, 1947	188,468			( <sup>d</sup> )	24,408	39,183	24,706	43,926	27,034	15,190	11,812	2,211
December 31, 1946	150,759			( <sup>d</sup> )	23,026	31,577	18,343	37,345	21,144	12,185	6,386	753
Percent of change	25.0				6.0	24.1	34.7	17.6	27.9	24.7	85.0	( <sup>1</sup> )
<b>Prairie States:</b>												
December 31, 1947	2,473							964	818	137	394	160
December 31, 1946	1,491							590	440	81	204	80
Percent of change	65.9							( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>South Atlantic States:</b>												
December 31, 1947	235,318		( <sup>d</sup> )	22,489	26,652	48,016	44,546	54,911	19,958	10,505	7,329	902
December 31, 1946	187,823		( <sup>d</sup> )	20,804	20,009	40,540	40,629	41,693	13,239	6,056	4,330	223
Percent of change	25.3			11.4	33.2	18.4	9.6	30.8	50.8	57.8	69.3	( <sup>1</sup> )
<b>East Gulf States:</b>												
December 31, 1947	276,092		( <sup>d</sup> )	29,835	27,486	49,983	45,815	91,532	18,919	7,811	( <sup>d</sup> )	4,611
December 31, 1946	242,493		( <sup>d</sup> )	34,163	29,401	45,350	37,991	73,076	13,782	6,403	( <sup>d</sup> )	2,267
Percent of change	13.8			-12.4	-6.5	10.2	20.6	25.3	37.3	20.9		( <sup>1</sup> )
<b>Lower Mississippi States:</b>												
December 31, 1947	700,854		75,246	138,781	102,865	191,816	74,495	84,947	20,128	6,651	5,320	605
December 31, 1946	546,419		60,876	107,418	86,266	150,237	60,434	61,260	14,780	4,154	4,714	291
Percent of change	28.3		47.9	29.2	19.3	22.8	23.3	38.7	36.2	60.1	12.0	( <sup>1</sup> )
<b>North Pacific States:</b>												
December 31, 1947	815,955	243,064	249,111	134,584	55,062	68,959	29,637	30,650	2,634	1,334	( <sup>d</sup> )	920
December 31, 1946	694,877	247,540	217,972	106,865	36,019	47,589	20,370	15,288	2,530	483	( <sup>d</sup> )	221
Percent of change	17.4	-1.8	14.3	25.9	52.9	45.0	45.5	100.5	( <sup>2</sup> )	( <sup>2</sup> )		( <sup>1</sup> )
<b>South Pacific States:</b>												
December 31, 1947	627,175	119,060	251,503	139,146	43,936	43,104	15,971	11,802	1,624	353	523	153
December 31, 1946	513,234	101,876	219,903	116,933	33,234	26,556	6,671	6,666	932	186	247	28
Percent of change	22.2	16.9	14.4	19.0	32.2	62.3	139.4	77.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>North Rocky Mountain States:</b>												
December 31, 1947	260,782	( <sup>d</sup> )	150,822	53,683	( <sup>d</sup> )	33,370	13,534	4,932	2,234	1,425	( <sup>d</sup> )	768
December 31, 1946	224,102	( <sup>d</sup> )	156,487	29,613	( <sup>d</sup> )	27,056	7,512	1,819	666	788	( <sup>d</sup> )	151
Percent of change	16.4		-3.6	81.3		23.3	80.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )
<b>South Rocky Mountain States:</b>												
December 31, 1947	68,919	( <sup>d</sup> )		( <sup>d</sup> )	( <sup>d</sup> )	40,037	8,667	10,548	5,935	2,224	1,334	174
December 31, 1946	45,694	( <sup>d</sup> )		( <sup>d</sup> )	( <sup>d</sup> )	23,007	8,078	8,628	4,150	1,287	490	54
Percent of change	50.8					74.0	7.3	22.3	43.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Stocks at mills which operated in 1946 but which were idle in 1947 are not included in these data.

<sup>2</sup> The percent of change has not been computed for those items of less than 5,000 M feet, b. m.

TABLE 6-J.—LATH—PRODUCTION IN PRINCIPAL STATES, FOR SELECTED YEARS: 1939-1947

[In thousands of pieces]

STATE	1947	1946	1945	1944	1943	1942	1939
United States .....	197,078	n.a.	113,268	132,859	189,512	306,959	562,207
Oregon .....	61,439	46,701	25,394	39,918	43,439	57,281	139,908
Washington .....	48,318	37,671	20,284	24,866	44,951	62,774	164,100
Idaho .....	19,969	16,999	17,192	19,620	19,741	31,157	37,375
California .....	14,379	12,172	5,651	3,426	10,185	12,008	19,067
Other States .....	52,983	22,059	44,747	45,029	71,196	142,839	201,757

<sup>1</sup> Total production not available as data were collected in West and South only. Therefore, figure for "Other States" includes only: Arizona, Colorado, Montana, Nevada, New Mexico, South Dakota, Utah, and Wyoming in the West, and Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia in the South. Total production in the West was 122,777 M pieces, and in the South, 12,825 M pieces.

TABLE 6-K.—LUMBER—PRODUCTION AND NUMBER OF ACTIVE MILLS REPORTING IN ALASKA: 1942-1947

[In thousands of board feet, lumber tally]

YEAR	Number of active mills reporting	Lumber sawed—			
		Total	Spruce	Hemlock	Cedar
1947 .....	40	80,480	69,105	9,872	1,503
1946 .....	41	57,508	47,487	8,710	1,309
1945 .....	35	59,058	51,623	6,268	1,175
1944 .....	29	67,414	55,237	11,314	863
1943 .....	29	62,603	48,633	13,355	615
1942 .....	37	40,590	34,832	4,635	1,123

<sup>1</sup> Includes 6 M feet, b. m. lodgepole pine.

<sup>2</sup> Includes 3 M feet, b. m. birch; 10 M feet, b. m. cottonwood.

<sup>3</sup> Includes 21 M feet, b. m. cottonwood.

<sup>4</sup> Includes 12 M feet, b. m. lodgepole pine.

<sup>5</sup> Includes 27 M feet, b. m. cottonwood; 2 M feet, b. m. Douglas fir; and 6 M feet, b. m. of lodgepole pine.

TABLE 6-L.—VENEER PRODUCED IN SELECTED INDUSTRIES BY KIND OF WOOD: 1947

[In M sq. ft. surface measure]

PRODUCT	Total <sup>1</sup>	Produced in the Veneer Industry <sup>2</sup>	Produced in the Plywood Industry	Produced in the Box Industry	Produced in the Basket Industry
Total, all woods .....	13,350,511	3,051,058	6,640,613	2,592,894	1,065,946
Gumwoods .....	4,189,516	1,375,938	1,281,562	927,355	604,601
Mahogany .....	260,042	244,927	5,115		
Walnut .....	154,615	148,165	6,450		
Oak .....	211,123	145,169	65,954		20,076
Birch .....	601,036	150,577	430,383	( <sup>3</sup> )	30,542
Maple .....	359,848	84,872	244,434		
Poplar .....	323,521	250,325	73,196		
Douglas fir .....	4,341,941	167,684	4,174,247		
All other and unspecified woods .....	2,918,869	483,391	359,272	1,065,539	410,667

<sup>1</sup> The quantities of veneer produced in other industries, such as the Furniture Industry, etc., are not available.

<sup>2</sup> A total of 6,044 M square feet, face area, of plywood, consisting of 2,391 M square feet of gumwoods and 2,653 M square feet of "All other and unspecified woods" was produced in the Veneer Industry during 1947.

<sup>3</sup> Combined with "All other and unspecified woods" to avoid disclosing figures for individual companies.

TABLE 6-M.—PRODUCTION OF SHINGLES IN PRINCIPAL STATES: 1942-1947 AND 1939

[In squares]

STATE	1947	1946	1945	1944	1943	1942	1939
United States .....	3,953,488	n.a.	3,156,613	3,587,602	3,736,961	5,256,673	6,500,242
Washington .....	2,752,548	2,460,731	2,288,219	2,788,340	2,903,178	4,201,464	5,405,646
Oregon .....	918,709	804,950	686,337	636,425	659,320	795,198	764,873
California .....	192,118	130,591	89,328	63,371	45,090	55,235	118,881
Idaho .....	66,370	42,849	24,522	21,721	15,975	19,104	36,893
Maine .....	24,316	n.a.	33,079	24,898	42,745	30,187	48,029
Other States <sup>1</sup> .....	20,429	21,305	35,128	52,847	73,644	165,485	126,020

<sup>1</sup> For 1946, includes production of shingles only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, New Hampshire, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. Other Eastern States were not canvassed for shingle production for that year.

## CENSUS OF MANUFACTURES: 1947

TABLE 6-N.—PRODUCTION OF COOPERAGE STOCK BY KIND OF WOOD: 1947<sup>1</sup>

KIND OF WOOD	TOTAL					COOPERAGE STOCK INDUSTRY					COOPERAGE INDUSTRY				
	Slack cooperage stock			Tight cooperage stock		Slack cooperage stock			Tight cooperage stock		Slack cooperage stock			Tight cooperage stock	
	Staves (M)	Heading (M sets)	Hoops (M)	Staves (M)	Heading (M sets)	Staves (M)	Heading (M sets)	Hoops (M)	Staves (M)	Heading (M sets)	Staves (M)	Heading (M sets)	Hoops (M)	Staves (M)	Heading (M sets)
Total.....	406,781	36,539	10,457	131,104	9,807	383,857	35,840	( <sup>2</sup> )	99,096	( <sup>2</sup> )	22,924	699	( <sup>2</sup> )	32,008	( <sup>2</sup> )
Hardwood.....	256,363	434	10,457	102,166	7,131	245,226	86	( <sup>2</sup> )	83,980	( <sup>2</sup> )	11,137	348	( <sup>2</sup> )	18,186	( <sup>2</sup> )
Oak.....				88,471	6,645				73,243	5,896				15,228	749
Red gum.....	30,015	( <sup>2</sup> )	( <sup>2</sup> )	6,612	116	( <sup>2</sup> )			( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Other hardwoods.....	226,348	434	10,457	7,083	370	( <sup>2</sup> )	( <sup>2</sup> )		( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Softwood.....	150,418	36,105		28,938	2,676	138,631	35,754		15,116	( <sup>2</sup> )	11,787	351		13,822	( <sup>2</sup> )

<sup>1</sup> Includes all production of cooperage stock in the cooperage stock and cooperage industries. Does not include a small amount produced in establishments classified in other industries.

<sup>2</sup> Cannot be shown separately without disclosing figures for individual companies.

TABLE 7-A.—LOGS CONSUMED IN THE MANUFACTURE OF COOPERAGE STOCK: 1947<sup>1</sup>

[In thousand feet log scale]

ITEM	QUANTITY CONSUMED								
	TOTAL			COOPERAGE STOCK INDUSTRY			COOPERAGE INDUSTRY		
	Total	Softwood	Hardwood	Total	Softwood	Hardwood	Total	Softwood	Hardwood
Total.....	550,266	148,527	401,739	486,073	120,849	365,224	64,193	27,678	36,515
Logs and bolts produced by the consuming establishment.....	394,235	105,068	289,167	366,288	92,894	273,394	27,947	12,174	15,773
Logs and bolts transferred from affiliated establishments.....	2,839		2,839	2,839		2,839			
Logs and bolts purchased from nonaffiliated establishments.....	153,192	43,459	109,733	116,946	27,955	88,991	36,246	15,504	20,742

<sup>1</sup> Includes the consumption of logs in the production of cooperage stock in the cooperage stock and cooperage industries. Does not include consumption of logs data for a small quantity of stock produced in other industries.

TABLE 7-B.—WOOD CONSUMED AND EXCELSIOR PRODUCED: 1947 AND 1939

ITEM	Unit of measure	Quantity	
		1947	1939
Wood consumed, total.....	Cord.....	135,949	118,004
Cottonwood.....	do.....	74,896	58,240
Yellow pine.....	do.....	46,621	47,752
Basswood.....	do.....	913	9,617
Yellow poplar.....	do.....	1,448	1,286
Other.....	do.....	12,071	1,109
Excelsior produced, total.....	Ton.....	153,766	122,821
Shipped as such.....	do.....	112,295	98,321
Produced and consumed in the plant.....	do.....	41,471	24,500

<sup>1</sup> Includes a portion of undistributed wood.

<sup>2</sup> For sale as such in 1939.

## MILLWORK, PLYWOOD, AND PREFABRICATED STRUCTURAL WOOD PRODUCTS

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of millwork products, plywood, and prefabricated wooden buildings and structural members. These establishments have been classified in three industries described separately below, on the basis of the final products shipped, irrespective of the degree of processing involved. Thus, completely integrated plants that produce their rough lumber or veneer and further process this material into millwork, plywood, etc., as well as plants buying the raw material or receiving it through interplant transfer from establishments under the same ownership, are included.

**Millwork Plants** (*Standard Industrial Classification No. 2431.*)—This industry comprises establishments primarily engaged in manufacturing sash, windows, doors, window and door frames, moldings, mantels, panel work, porch work, stairways, wooden pipe, conduit, tanks and vats, and similar fabricated millwork. Establishments primarily engaged in producing dimension stock, surfaced lumber, and standard workings or patterns of lumber, such as ceiling, partition, siding, matched and shiplapped lumber, and flooring, are classified in the Sawmills and Planing Mills, General, Industry (Standard Industrial Classification No. 2421). Establishments primarily engaged in the manufacture of storm sash and combination window and door screens are classified in the Window and Door Screens and Weather Strip Industry (Standard Industrial Classification No. 2561).

In the 1939 Census of Manufactures, millwork plants were classified in the Planing Mills Not Operated in Conjunction With Sawmills Industry. General statistics for these establishments have been retabulated for 1939 on a basis comparable with 1947. Comparable figures are not available for years prior to 1939.

An attempt was made in the Census of 1947 to obtain as complete data as possible on the total shipments of millwork. However, because of the various types of establishments in which millwork products are made, the criteria below were applied in determining whether a millwork report was required from a firm:

- (1) A report was required from each manufacturing establishment whose shipments consisted primarily of millwork produced at the plant.

- (2) A report was required if a wholesale or retail yard manufactured millwork in a separate department; that is, a separate set of books was kept for this operation, regardless of whether such manufacturing constituted a major part of the activities of the firm.

- (3) Establishments that manufactured millwork and also

carried on other activities, maintaining only one set of books for the entire plant, were required to file a report of their manufacturing, only if the major portion (51 percent or more) of the 1947 shipments (dollarwise) consisted of millwork products manufactured by the establishment. The data submitted were confined to the products manufactured by the firm insofar as it was possible for the establishment to estimate the breakdown between manufacturing and distribution of products bought and resold in the same condition. In cases where this breakdown could not be made, information for the entire activity of the establishment was included. Data for the millwork industry were not significantly affected by the inclusion of these nonmanufacturing activities.

The value of millwork products produced and shipped by wholesale and retail yards which did not have a separate millwork department and whose major portion of their 1947 shipments consisted of products not manufactured by the establishments are excluded from these data. It is believed that the value of such millwork production is unimportant in relation to the total production of millwork, and for the more important individual millwork items.

**Plywood Plants** (*Standard Industrial Classification No. 2432.*)—This industry comprises establishments primarily engaged in manufacturing commercial (hardwood and softwood) plywood, including technical and industrial grades from veneer produced in the same establishment or from purchased veneer. This definition was broadened for the 1947 Census of Manufactures to include other grades and types such as fancy and figured, container, and nonwood face plywood. Establishments producing plywood which is used in the same establishment in the manufacture of end products, such as doors, are classified in Industry 2431, Millwork; wood boxes in Industry 2444, etc.

The Bureau of the Census has, since 1941, published monthly data on softwood plywood (Facts for Industry, Series M13B). These reports included quantity information on log consumption, plywood production, and plywood shipments and consumption. These reports included all producers of softwood plywood, regardless of whether these producers sold their plywood or used it in the manufacture of other products, such as doors, etc. The 1947 Census of Manufactures included, in the Plywood Industry, only those establishments whose major shipments consisted of plywood. Thus the 1947 Facts for Industry softwood figures for log consumption, plywood production, and plywood shipments and consumption exceed the corresponding figures in this report.

In table 5 it was not possible to separate shipments of certain types of softwood plywood between those made in this industry and those made in other industries because shipments from other industries were confined to a relatively few plants and the publication of these figures would have disclosed information about the activities of individual establishments.

Table 6-B includes all veneer and plywood produced in establishments classified in the Plywood Industry (i.e., establishments whose principal shipments consisted of plywood). It includes veneer and plywood produced for use in these establishments as well as that produced for sale. Data on veneer or plywood produced in establishments classified in other industries are not included.

Table 7 includes only veneer logs, bolts, and log fitches consumed by establishments classified in the Plywood Industry. These data are, therefore, comparable with those in table 6-A for veneer production.

Establishments classified in other selected industries (Veneer, Furniture, and Wooden Containers) were asked to report on their production of plywood (both for consumption and sale). However, the completeness of such reporting has not been determined, and these figures are not included in table 6-B.

**Prefabricated Wood Products** (*Full Standard Industrial Classification title and number: Prefabricated Wooden Buildings and Structural Members, 2433.*)—This industry comprises establishments primarily engaged in manufacturing prefabri-

cated wooden buildings, or in producing laminated or fabricated trusses, arches, and other structural members of lumber. Manufacturers of prefabricated metal buildings and components are classified in the Fabricated Structural Steel and Ornamental Metal Work Industry (Standard Industrial Classification No. 3441). Contractors engaged in on-the-site construction are not classified as manufacturing establishments.

The manufacture of prefabricated wood products was not of sufficient importance to constitute a separate industry in previous census years. Manufacturers of these products were classified in the Planing Mill Industry in 1939, but their reports have been retabulated to provide separate general statistics for that year (see table 1). No general statistics are available for years prior to 1939. Similarly, only very limited product statistics are available prior to 1947 (see table 6-A). To avoid disclosing the operations of individual firms, 1947 general statistics have been omitted in table 2 for a number of States, including the more important ones of Texas, Ohio, Illinois, and Indiana, which together contributed 30 percent of the total shipments.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year) <sup>4</sup>	Salaries and wages, total <sup>5</sup>	Number (average for the year) <sup>6</sup>	Wages, total			
<b>Millwork plants:</b>								
1947	2,312	57,599	\$156,073	50,288	\$125,014	\$256,399	\$270,095	\$526,494
1939 <sup>3</sup>	2,260	n.a.	n.a.	41,532	47,282	103,380	113,660	217,040
<b>Plywood plants:</b>								
1947	162	26,499	71,026	24,448	61,977	146,087	118,366	264,453
1939 <sup>3</sup>	98	n.a.	n.a.	13,154	13,112	20,658	22,424	49,082
<b>Prefabricated wood products:</b>								
1947	207	10,177	28,267	8,478	20,742	40,260	66,020	106,880
1939 <sup>3</sup>	48	n.a.	n.a.	1,748	1,500	3,027	5,171	8,798

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>2</sup> For 1947, value of products shipped; for 1939, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.

<sup>3</sup> The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for earlier years.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

(Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Millwork plants, total <sup>1</sup></b>	2,312	57,599	\$156,073	50,288	106,647	\$125,014	\$256,399	\$270,095	\$526,494	\$13,499
New England	169	2,832	6,860	2,438	5,327	5,431	10,646	10,400	21,115	425
New Hampshire	14	391	800	330	710	670	1,740	1,085	3,734	73
Massachusetts	85	1,253	3,254	1,076	2,299	2,487	4,647	4,032	8,679	105
Rhode Island	10	282	709	243	511	565	993	970	1,003	20
<b>Middle Atlantic</b>	373	6,384	18,212	5,432	11,454	14,065	28,781	29,147	57,028	1,363
New York	170	2,841	8,850	2,382	4,879	6,641	14,352	13,879	28,231	525
New Jersey	58	964	3,023	850	1,847	2,379	4,486	4,002	8,088	255
Pennsylvania	145	2,579	6,339	2,200	4,728	5,045	9,943	10,066	20,609	573
<b>East North Central</b>	403	11,265	31,850	9,664	21,532	24,020	49,705	52,532	102,237	2,312
Ohio	60	1,332	3,854	1,140	2,735	2,034	5,766	6,490	12,265	259
Illinois	136	3,333	10,792	2,771	5,681	8,055	16,688	15,123	31,811	617
Wisconsin	81	4,199	10,775	3,078	8,442	8,561	17,238	19,848	37,080	800

See footnotes at end of table.



TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Millwork plants, total<sup>1</sup>—Continued</b>										
West North Central	206	8,209	\$21,678	7,023	15,278	\$16,809	\$35,329	\$32,136	\$67,465	\$1,729
Minnesota	61	2,157	5,911	1,815	3,856	4,458	9,185	8,961	18,146	424
Iowa	29	3,628	9,719	3,092	6,662	7,755	16,080	15,137	31,217	666
South Dakota	15	426	1,007	367	721	812	1,311	1,003	2,314	111
South Atlantic	272	5,757	12,615	4,998	10,950	9,681	19,614	25,307	44,921	1,138
District of Columbia	5	101	356	84	177	261	445	561	1,006	10
Virginia	22	1,123	2,602	992	2,163	1,860	4,132	7,304	11,436	144
West Virginia	14	178	333	143	289	338	510	523	1,033	77
Georgia	47	1,085	1,980	913	1,944	1,389	2,939	3,648	6,587	199
Florida	91	1,107	2,617	946	2,129	2,136	3,966	4,728	8,694	216
East South Central	129	2,551	5,687	2,127	4,647	4,107	8,960	8,486	17,446	576
Tennessee	30	798	1,814	621	1,371	1,179	2,567	3,074	5,641	124
Mississippi	29	508	977	450	1,021	723	1,935	984	2,919	232
West South Central	232	4,476	9,978	4,001	8,448	8,192	16,181	19,307	35,488	783
Arkansas	18	248	475	228	476	390	692	1,224	1,916	17
Louisiana	50	965	2,042	833	1,874	1,540	3,084	5,351	8,435	147
Oklahoma	24	870	1,844	781	1,789	1,559	3,406	2,518	5,024	211
Texas	140	2,393	5,617	2,159	4,309	4,723	8,999	10,214	19,213	408
West	528	10,035	49,203	14,605	29,011	42,103	87,183	92,711	179,804	5,183
Montana	9	675	1,805	616	1,277	1,434	3,377	3,364	6,741	307
Colorado	26	401	967	369	758	863	1,297	1,553	2,850	132
Utah	19	275	699	248	539	568	1,125	1,113	2,238	78
Nevada	6	401	1,318	356	763	1,075	1,579	3,671	5,260	455
Washington	97	5,462	10,930	4,999	9,588	14,607	31,351	31,260	62,611	1,531
California	293	6,341	20,937	5,732	11,622	17,246	33,344	33,391	66,735	1,922
<b>Plywood plants, total<sup>1</sup></b>	162	26,499	71,026	24,448	54,344	61,977	146,087	118,366	264,453	10,067
New England	14	1,301	2,714	1,215	2,906	2,382	4,769	4,380	9,149	514
Middle Atlantic	7	827	2,157	1,766	1,750	1,829	2,953	4,815	7,268	236
North Central	31	5,319	13,694	4,769	10,994	11,100	22,890	28,875	51,765	2,588
Indiana	10	1,700	4,587	1,665	3,680	3,771	8,632	12,673	21,305	476
Wisconsin	13	2,141	5,125	1,980	4,761	4,333	7,740	10,392	18,132	803
South Atlantic	47	6,082	10,440	5,742	13,141	9,220	22,637	16,635	39,272	2,203
North Carolina	21	2,373	4,073	2,272	5,152	3,637	8,468	8,747	17,215	712
South Carolina	14	2,667	4,402	2,410	5,613	3,878	10,554	5,675	16,229	1,073
Georgia	6	802	1,489	751	1,689	1,296	2,842	1,307	4,149	278
East South Central	16	1,690	3,201	1,698	3,833	2,831	8,355	7,966	16,321	288
Alabama	5	545	945	519	1,307	890	2,458	1,569	4,027	118
Mississippi	6	640	886	521	1,202	810	1,682	923	2,605	85
West South Central	5	827	1,508	693	1,605	1,253	2,300	1,349	3,649	126
Pacific	42	10,483	37,312	9,695	20,145	33,362	82,183	54,846	137,029	4,099
Washington	21	6,508	23,724	6,039	12,514	21,061	48,347	35,979	84,326	2,275
Oregon	13	3,561	12,406	3,287	6,908	11,275	31,091	17,133	48,224	1,541
California	8	414	1,182	369	723	1,026	2,745	1,734	4,470	283
<b>Prefabricated wood products, total<sup>1</sup></b>	207	10,177	28,267	8,478	17,345	20,742	40,260	66,620	106,880	3,442
New England	9	501	1,005	410	865	1,003	2,580	3,215	5,795	436
Massachusetts	4	305	951	235	440	440	435	581	1,016	( <sup>d</sup> )
Middle Atlantic	39	1,080	4,056	1,397	2,948	3,443	7,541	10,113	17,654	450
New Jersey	11	760	2,258	630	1,337	1,678	3,547	4,426	7,973	210
North Central	74	3,306	9,391	2,729	5,674	6,654	12,435	23,860	36,295	826
Michigan	16	242	708	199	402	453	1,220	2,031	3,251	21
Wisconsin	4	305	728	255	533	569	999	1,458	2,157	126
Minnesota	7	347	928	289	632	644	1,641	2,431	4,072	117
Iowa	6	103	357	146	320	307	780	916	1,666	30
South Atlantic	23	1,238	2,839	1,086	2,276	2,267	3,848	8,359	12,207	652
Georgia	8	646	1,102	469	946	827	1,526	3,660	5,186	( <sup>d</sup> )
Florida	3	319	873	294	650	752	844	2,036	2,880	34
East South Central	3	204	398	178	352	330	1,003	1,762	2,765	36
West South Central	22	1,496	3,865	1,240	2,492	2,899	6,025	9,231	15,256	262
Oklahoma	5	221	719	134	287	315	685	1,096	1,781	35
West	37	1,743	5,513	1,438	2,738	4,146	6,828	10,080	16,908	780
Washington	13	418	1,203	357	617	930	1,378	1,786	3,164	81
California	11	541	1,926	448	904	1,432	2,280	3,302	5,582	341

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Millwork plants: New England, Maine, 19 (275); Vermont, 4 (230); Connecticut, 37 (401); East North Central, Indiana, 49 (1,184); Michigan, 78 (1,217); West North Central, Missouri, 50 (1,302); North Dakota, 6 (20); Nebraska, 14 (305); Kansas, 22 (365); South Atlantic, Delaware, 3 (19); Maryland, 26 (707); North Carolina, 44 (1,125); South Carolina, 20 (312); East South Central, Kentucky, 22 (673); Alabama, 42 (572); West, Idaho, 8 (71); Wyoming, 4 (27); New Mexico, 5 (197); Arizona, 9 (135); Oregon, 52 (2,050).

Plywood plants: New England, Maine, 2; New Hampshire, 3; Vermont, 9 (874); Middle Atlantic, New York, 6; Pennsylvania, 1; North Central, Ohio, 1; Illinois, 1; Michigan, 6 (1,151); Missouri, 1; South Atlantic, Virginia, 3 (100); Florida, 3 (231); East South Central, Kentucky, 2; Tennessee, 3; West South Central, Arkansas, 2; Louisiana, 2; Texas, 1.

Prefabricated wood products: New England, Maine, 2; New Hampshire, 1; Connecticut, 2; Middle Atlantic, New York, 17 (516); Pennsylvania, 11 (413); North Central, Ohio, 15 (662); Indiana, 5 (670); Illinois, 10 (823); Missouri, 1; Nebraska, 2; Kansas, 2; South Atlantic, Maryland, 3 (112); Virginia, 5 (200); North Carolina, 3; South Carolina, 1; East South Central, Tennessee, 2; Alabama, 1; West South Central, Arkansas, 3; Louisiana, 2; Texas, 12 (787); West, Idaho, 1; Arizona, 1; Oregon, 11.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry			ITEM	Industry		
	Millwork plants	Plywood plants	Prefabricated wood products		Millwork plants	Plywood plants	Prefabricated wood products
ALL ESTABLISHMENTS				ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued			
Number of establishments.....	2,312	162	207	Cost of materials, fuel, electricity, and contract work—Continued			
All employees:				Other materials, parts, containers, and supplies.....	\$250,004	\$64,042	\$64,568
Number (average for the year).....	57,599	26,499	10,177	Fuels, total.....	1,172	647	181
Salaries and wages, total.....	\$156,073	\$71,026	\$28,267	Bituminous coal.....	514	180	51
Production and related workers:				Anthracite.....	64	n.a.	5
Number (average for the year).....	50,288	24,448	8,478	Coke.....	3		
Man-hours, total..... thousands.....	106,647	54,344	17,345	Fuel oils.....	176	230	64
Wages, total.....	\$125,014	\$61,977	\$20,742	Gas.....	112	n.a.	20
Value added by manufacture.....	\$256,399	\$146,087	\$40,260	Other fuels.....	303	228	21
ESTABLISHMENTS REPORTING DETAILED STATISTICS				Purchased electric energy.....	2,753	1,350	361
Number of establishments.....	1,409	162	175	Contract and commission work.....	760	881	1,148
All employees:				Value of inventories:			
Number (average for the year).....	53,235	26,499	10,012	Beginning of year, total.....	\$52,503	\$20,127	\$19,045
Salaries and wages, total.....	\$146,841	\$71,026	\$27,951	Finished products.....	16,859	3,605	3,412
Production and related workers:				Materials, supplies, and work in process.....	35,644	16,522	15,633
Number (average for the year).....	46,055	24,448	8,313	End of year, total.....	76,345	26,402	22,283
Man-hours, total..... thousands.....	98,208	54,344	17,025	Finished products.....	25,304	3,820	3,461
Wages, total.....	\$116,283	\$61,977	\$20,426	Materials, supplies, and work in process.....	50,051	22,582	18,822
Value added by manufacture.....	\$242,652	\$146,087	\$39,918	Expenditures for plant and equipment:			
Number of employees for pay period ended nearest Oct. 15:				New plant and equipment.....	\$13,499	\$10,057	\$3,442
All employees.....	55,623	26,847	10,497	Construction and major alteration of fixed plants.....	5,143	3,304	1,356
Male.....	52,070	24,187	9,952	Buildings.....	4,350	2,983	1,206
Female.....	3,553	2,660	545	Other construction.....	784	411	150
Production and related workers.....	48,220	24,846	8,721	Machinery and equipment.....	8,350	6,063	2,086
Male.....	46,349	22,678	8,606	Production machinery and equipment.....	6,539	5,894	1,626
Female.....	1,871	2,168	115	Other machinery and equipment.....	1,817	709	460
Force-account construction workers.....	157	76	35	Used plant and equipment, and land.....	2,125	1,357	372
Administrative, supervisory, sales, and all other.....	7,246	1,925	1,741	Number of highway-type motor vehicles owned or leased:			
Male.....	5,566	1,433	1,311	Trucks.....	2,411	329	322
Female.....	1,680	492	430	By manufacturer's rated capacity:			
All employees, number by month:				Under 1½ tons.....	602	89	95
January.....	50,396	26,055	9,776	1½ tons.....	1,174	169	129
February.....	50,627	25,926	9,353	Over 1½ tons and less than 3½ tons.....	479	61	73
March.....	51,162	26,186	9,342	3½ tons and less than 5 tons.....	72	5	17
April.....	51,365	26,360	10,020	5 tons and over.....	84	5	8
May.....	51,992	26,069	9,925	By body type:			
June.....	52,373	26,430	10,365	Van.....	107	32	18
July.....	52,943	26,380	10,086	Stake or platform.....	1,618	105	197
August.....	54,490	26,699	10,143	Panel or light delivery.....	422	53	54
September.....	54,383	26,703	10,266	All other trucks.....	204	139	53
October.....	55,623	26,847	10,497	Truck tractors.....	201	72	72
November.....	56,277	27,085	10,524	Trailers and semitrailers.....	245	74	174
December.....	56,660	27,145	9,755				
Cost of materials, fuel, electricity, and contract work.....	\$254,695	\$118,366	\$66,238				
Timber cut.....		3,940					
Logs purchased.....		47,506					

n.a.—Not available.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-240 em- ployees	250-490 em- ployees	500-990 em- ployees	1,000- 2,400 employees	2,500 employees and over
<b>Millwork plants:</b>											
Number of establishments.....	2,312	836	461	395	361	159	71	17	11	1	-----
Number of employees (average for the year).....	57,599	1,847	3,041	5,480	11,299	11,013	11,267	5,723	7,929		(d)
Value added by manufacture.....	\$256,399	\$7,465	\$11,174	\$22,489	\$47,290	\$49,178	\$50,395	\$29,177	\$39,231	(d)	-----
<b>Plywood plants:</b>											
Number of establishments.....	162	5	4	5	22	39	51	28	8	-----	-----
Number of employees (average for the year).....	26,499	13	23	81	745	2,886	8,366	9,085	5,300	-----	-----
Value added by manufacture.....	\$146,087	\$27	\$38	\$255	\$3,069	\$11,126	\$38,094	\$59,427	\$34,051	-----	-----
<b>Prefabricated wood products:</b>											
Number of establishments.....	207	27	32	26	55	33	31	3	-----	-----	-----
Number of employees (average for the year).....	10,177	66	208	333	1,834	2,236	4,586	914	-----	-----	-----
Value added by manufacture.....	\$40,260	\$309	\$836	\$1,352	\$7,961	\$7,431	\$19,993	\$2,378	-----	-----	-----

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

MILLWORK PLANTS	Shipped by—		
	Millwork plants	Other industries	All industries
<b>Total shipments by the industry</b> .....	<b>\$526,494</b>		
A. Millwork.....	448,361	\$34,205	\$482,566
Sash, other than storm sash.....	61,793	2,581	64,374
Window and door frames.....	55,519	4,904	60,423
Doors, general construction, interior and exterior.....	90,150	1,989	98,139
Cabinet work (to be built-in).....	45,842	1,379	47,221
Stairwork.....	10,139	367	10,506
Exterior millwork.....	8,060	522	8,612
Other millwork products, n. e. c.....	115,643	14,072	129,715
Millwork products not specified.....	55,185	8,391	63,576
B. Secondary products.....	68,672		
Rough lumber and sawed ties.....	3,868		
Hardwood dimension, other than furniture.....	1,530		
Softwood dimension.....	2,215		
Dressed lumber (excluding flooring).....	10,876		
Hardwood flooring.....	1,741		
Box shook, fruit, vegetable, industrial, etc.....	2,200		
Wood screen doors and window screens.....	9,132		
Wood storm sash and wood combination screen and storm sash and doors.....	14,308		
Other secondary products.....	22,712		
C. Miscellaneous receipts.....	9,461		
Contract and commission work.....	7,381		
Nonmanufacturing activities.....	1,179		
Other.....	901		

  

PLYWOOD PLANTS	Shipped by—		
	Plywood plants	Other industries	All industries
<b>Total shipments by the industry</b> .....	<b>\$264,453</b>		
A. Plywood.....	248,318	\$10,742	\$259,060
Hardwood plywood.....	117,395	2,043	119,438
Softwood plywood, interior grade.....	70,496	6,591	77,087
Softwood plywood, exterior grade.....			51,792
Softwood plywood, all other types.....			1,247
Nonwood face plywood.....	60,427	2,108	9,350
Unclassified products of this industry.....			146
B. Secondary products.....	14,778		
Hardwood veneer.....	4,897		
Logs.....	2,627		
Other secondary products.....	7,254		
C. Miscellaneous receipts.....	1,357		

  

PREFABRICATED WOOD PRODUCTS INDUSTRY	Shipped by—		
	Prefabricated wood products plants	Other industries	All industries
<b>Total shipments by the industry</b> .....	<b>\$106,880</b>		
A. Prefabricated wood products.....	97,391	\$3,835	\$101,226
Prefabricated dwellings.....	61,507	1,441	62,948
Prefabricated buildings, except dwellings.....	9,922	682	10,604
Ready-cut buildings.....	10,902	282	11,184
Panels or sections for prefabricated buildings.....	3,761	550	4,311
Prefabricated or laminated timbers or structural members.....	(d)	(d)	10,616
Prefabricated wood products, not specified by kind.....	(d)	(d)	1,583
B. Secondary products.....	8,199		
Dressed lumber (excluding flooring).....	2,895		
Flooring and other planing mill products.....	1,150		
Millwork.....	1,597		
Other secondary products.....	2,557		
C. Miscellaneous receipts.....	1,290		

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

TABLE 6-A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939<sup>1</sup>

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value
<b>Millwork, total</b> .....			<b>\$482,566</b>		<b>\$215,914</b>
Sash, other than storm sash <sup>2</sup> .....	Thousands	38,581	64,374	n.a.	n.a.
Window and door frames (including cellar window and door frames).....	do	10,281	60,423	8,367	21,388
Doors:					
General construction, interior and exterior.....	do	14,024	98,139	n.a.	n.a.
Hardwood.....	do	690	9,071	484	3,688
Western pine.....	do	4,551	32,503	4,765	14,841
Southern yellow pine.....	do	389	3,951		
Douglas fir.....	do	7,692	44,655	7,130	11,166
Other softwoods.....	do	702	7,059	n.a.	n.a.
Cabinet work (to be built-in, including partitions to be built-in, such as kitchen cabinets, broom closets, medicine cabinets, vegetable bins, mantels, china cases, etc.).....			47,221		n.a.
Stairwork, including balusters, brackets, crooks, newels, rails, treads, risers, stairs, etc.....			10,506		n.a.
Exterior millwork, including porch columns, porch rails and newels, trellises, outside blinds, etc.....			8,612		n.a.
Other millwork products.....			129,715		n.a.
Tanks and vats.....			10,295		4,172
Pipe and conduits.....			1,808		n.a.
Moldings and interior trim.....	Thous. ft. b.m.	339,766	70,292		n.a.
Exterior entrances.....	Thousands	332	5,567		n.a.
Garage doors <sup>3</sup> .....	do	546	22,015	407	4,515
Other doors <sup>3</sup> .....	do	2,289	8,739	n.a.	n.a.
Other millwork products, n. e. c.....			63,576		156,144
Millwork products not specified.....					

See footnotes at end of table.

TABLE 6-A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939<sup>1</sup>—Continued

PRODUCT	1947		1939			
	Total shipments and interplant transfers		Total production for sale and interplant transfer			
			Total value	Quantity and value reported		Value only reported
	Quantity <sup>2</sup>	Value f.o.b. plant		Quantity M. sq. ft., ( $\frac{3}{8}$ " basis)	Value	
Plywood, total.....		\$259,060	\$53,874	1,247,008	\$18,503	\$5,371
	(Thousand square feet ( $\frac{3}{8}$ " basis))					
Softwood plywood.....	1,581,634	130,126	33,059	1,042,606	33,059	
Interior.....	995,055	77,087	n.a.	n.a.	n.a.	
Exterior.....	574,313	51,792	n.a.	n.a.	n.a.	
Fancy and figured.....						
Container.....	22,266	1,247	n.a.	n.a.	n.a.	
	(Thousand square feet face area)					
Hardwood plywood.....	846,294	119,438	20,815	234,402	15,444	5,371
Commercial or utility.....	531,387	79,092	\$ 8,041	\$ 141,314	\$ 5,779	\$ 2,262
Fancy and figured.....	195,351	34,143	12,774	93,088	9,665	3,109
Container.....	119,556	6,203	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Nonwood face plywood.....	67,526	9,350	n.a.	n.a.	n.a.	
Plywood not specified by kind.....	n.a.	146				

PRODUCT	1947	
	Total shipments and interplant transfers	
	Quantity (number)	Value f.o.b. plant
Prefabricated wooden dwellings.....	24,540	\$62,948
Prefabricated wooden buildings, except dwellings, total.....		10,604
Farm buildings.....	12,650	4,311
Garages.....	5,115	1,862
Other.....	n.a.	4,431

PRODUCT	1947	
	Total shipments and interplant transfers	
	Quantity (number)	Value f.o.b. plant
Ready-cut wooden buildings, total.....		\$11,184
Dwellings.....	3,225	9,153
Garages.....	3,407	1,068
Farm and other buildings.....	750	963
Wooden panels or sections for prefabricated buildings.....		4,311
Prefabricated or laminated timbers or structural members.....		10,616
Prefabricated wooden products, not specified by kind.....		1,563

n.a.—Not available.

<sup>1</sup> Except for the \$8,461,853 worth of portable and ready-cut houses produced in 1939, comparable statistics are not available for that year for prefabricated wood products.<sup>2</sup> Includes open and glazed sash. Double-hung window counted as two sash.<sup>3</sup> 10-15 percent estimated.<sup>4</sup> Quantity information requested as "number." Average value of garage doors reported indicates that generally openings were used as the basis of reporting.<sup>5</sup> Includes all types of doors not listed ranging from large industrial doors to doors of very small dimensions.<sup>6</sup> Contains miscellaneous millwork not reported by kind and millwork products which could not be separated to enable valid comparisons with the 1947 detail. Also includes 34,993,000 sash of all types valued at \$24,481,000.<sup>7</sup> Quantities of hardwood plywood and nonwood face plywood shown for 1947 are not comparable with 1939 because the 1947 figures were requested in terms of face area regardless of thickness while the 1939 figures were requested on a  $\frac{3}{8}$ " basis.<sup>8</sup> Includes data on container grade plywood.<sup>9</sup> Not called for separately; see figures for commercial or utility.TABLE 6-B.—VENEER AND PLYWOOD PRODUCED IN THE PLYWOOD INDUSTRY, BY KIND OF WOOD: 1947<sup>1</sup>

Veneer in thousands of square feet, surface area; plywood in thousands of square feet, face area

KIND OF WOOD	Veneer	Plywood <sup>2</sup>
Total, all woods.....	6,640,613	2,423,717
Gumwoods.....	1,281,562	477,110
Mahogany.....	5,115	64,097
Walnut.....	6,450	30,545
Oak.....	65,954	24,850
Birch.....	430,383	145,237
Maple.....	244,434	62,505
Poplar.....	73,196	12,420
Douglas fir (plywood is on $\frac{3}{4}$ " basis).....	4,174,247	1,464,922
All other woods and woods not reported by kind.....	359,272	141,031

<sup>1</sup> Does not include production in establishments classified in other industries, such as container, veneer, and furniture plants—see text.<sup>2</sup> Species classification on the basis of wood used on the face.TABLE 7.—VENEER LOGS, BOLTS AND LOG FLITCHES CONSUMED BY KIND IN THE PLYWOOD INDUSTRY: 1947<sup>1</sup>

[Thousands of feet, log scale]

MATERIAL	Total	Softwood	Hardwood
Veneer logs, bolts, and log flitches, total used	918,771	695,176	223,595
Produced by consuming establishments.....	127,325		
Transferred from affiliated establishments.....	201,885	205,605	63,515
Purchased from non-affiliated establishments.....	589,561	429,481	160,080

<sup>1</sup> Does not include material consumed in establishments classified in other industries, such as container, veneer and furniture plants, producing veneer and/or plywood—see text.

## WOODEN CONTAINERS

This report shows 1947 Census of Manufactures statistics for establishments primarily engaged in the production of fruit and vegetable baskets; rattan and willow ware; cigar boxes; wooden boxes, other than cigar boxes; and cooperage. These establishments have been classified in five industries described separately below.

In addition to the statistics on employment, wages and products shipped, information was also collected for each container industry, except cooperage, on the consumption of lumber, veneer, and plywood. These statistics are shown in table 7.

**Fruit and Vegetable Baskets** (*Standard Industrial Classification No. 2441.*)—This industry comprises establishments primarily engaged in manufacturing till baskets, berry cups, climax baskets, round stave baskets, vegetable hampers, and splint or market baskets made primarily of veneer and splint for shipping and marketing fruits and vegetables.

This industry includes all types of baskets, except fancy baskets for flowers, fruit, Easter baskets, etc. These baskets are classified in Industry 2442, Rattan and Willow Ware. Detailed statistics on products are not available for 1939.

**Rattan and Willow Ware, Not Elsewhere Classified** (*Full Standard Industrial Classification title and number: Rattan and Willow Ware, Except Furniture and Fruit and Vegetable Baskets, 2442.*)—This industry comprises establishments primarily engaged in manufacturing articles of rattan, reed, splint, veneer, and willow, such as laundry hampers, clothes baskets, market baskets (except fruit and vegetable baskets—Industry 2441), and small articles such as trays, coasters, table pads, and willow bottle and demijohn covers. Establishments primarily engaged in manufacturing reed and rattan furniture are classified in Industry 2513.

**Cigar Boxes** (*Standard Industrial Classification No. 2443.*)—This industry comprises establishments primarily engaged in manufacturing cigar boxes of wood, or partly of wood, in which cigars are packed for sale. Establishments primarily engaged in manufacturing paper cigar boxes are classified in Industry 2671.

Cigar boxes are produced to some extent by establishments classified in the tobacco industries. Establishments classified in other than the cigar box industry accounted for about 15 percent of the total value of shipments of wooden and part wooden cigar boxes.

**Wooden Boxes (Except Cigar Boxes)** (*Standard Industrial Classification No. 2444.*)—This industry comprises establishments primarily engaged in manufacturing wooden boxes (nailed or wirebound, plain or fabric covered), crates, cases, wooden shipping drums, and carrier trays. Establishments primarily engaged in manufacturing box shooks and wooden trunk slats from purchased lumber are also included in this industry, but establishments primarily engaged in manufacturing cigar boxes are classified in Industry 2443, fruit and vegetable baskets in Industry 2441, and caskets and coffins in Industry 3988.

In this industry establishments were asked to classify their shipments of boxes as made either from purchased shook or from raw materials, such as lumber, veneer, or plywood. This was done in an effort to give some indication of the amount of duplication that results when shook are reported as shipped by one establishment and subsequently reported as shipped by the purchasing establishment which assembles them into boxes. Table 6 shows the total value of shipments of box shook, as well as the total value of shipments of boxes. It can be determined from these data how much of the value reported for shook is actually duplicated in the values reported for boxes.

Box shook are classified as a primary product of both this industry and the sawmill industry, but the figures in table 6 also include shook made in the sawmill industry. Over 15 percent of the total shipments of wooden boxes and shook were made by establishments classified in other industries. The greater part of these shipments came from establishments in the sawmill industry.

**Cooperage** (*Standard Industrial Classification No. 2445.*)—This industry comprises establishments primarily engaged in manufacturing barrels, kegs, tubs, hogsheads, pails, and other containers made of staves, except fruit and vegetable baskets (Industry 2441). Establishments primarily engaged in manufacturing cooperage stock are classified in Industry 2424.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work <sup>2</sup>	Value of products shipped <sup>3</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Fruit and vegetable baskets:</b>								
1947	141	9,105	\$13,398	8,781	\$12,093	\$19,330	\$11,254	\$30,584
1939	161	n.a.	n.a.	9,093	5,019	9,815	6,465	16,270
<b>Rattan and willow ware, n.e.c.:</b>								
1947	53	1,073	2,101	983	1,776	3,573	3,670	7,243
1939	47	1,631	1,511	1,377	928	2,244	1,674	3,918
1937	48	n.a.	n.a.	1,805	1,174	2,463	1,750	4,213
<b>Cigar boxes:</b>								
1947	42	1,875	3,138	1,747	2,650	4,655	3,447	8,102
1939	59	3,317	2,595	3,101	2,017	3,848	2,483	6,331
1937	69	3,487	2,823	3,296	2,322	4,447	2,081	7,128
1935	72	3,368	2,541	3,176	2,000	3,934	2,227	6,161
1933	77	3,574	2,070	3,426	1,782	3,695	2,209	5,904
1931	92	n.a.	n.a.	3,777	2,564	5,386	3,473	8,850
1929	118	4,642	4,322	4,374	3,508	7,221	5,238	12,459
1927	136	4,909	4,719	4,577	3,925	7,288	5,621	12,909
1925	155	5,210	4,795	4,836	3,967	7,475	5,450	12,925
1923	170	5,549	5,244	5,101	4,171	8,547	6,240	14,796
1921	171	5,069	4,646	4,657	3,728	7,539	6,778	14,317
1919	189	5,574	4,310	5,218	3,512	6,773	6,337	13,110
1914	238	6,236	2,777	5,835	2,299	4,068	4,260	8,337
1909	274	6,551	2,705	6,115	2,234	4,178	4,313	8,491
1904	297	6,652	2,453	6,282	2,120	3,976	3,810	7,786
1899	315	4,825	1,612	4,609	1,440	2,796	3,061	5,857
<b>Wooden boxes (except cigar boxes):</b>								
1947	1,025	47,828	98,833	44,606	85,757	174,545	190,745	365,290
1939	762	n.a.	n.a.	36,838	27,496	57,737	56,458	113,195
<b>Cooperage:</b>								
1947	255	9,223	22,086	8,610	18,981	31,350	75,020	106,379
1939	350	8,104	8,557	7,193	6,660	13,943	24,318	38,261
1937	397	10,246	10,779	9,688	9,177	17,098	32,627	50,225
1935	407	10,669	9,836	9,879	7,982	16,584	20,972	46,556
1933	361	9,025	7,196	8,467	6,261	12,705	22,013	35,618
1931	500	n.a.	n.a.	8,208	7,663	14,810	24,333	39,143
1929	586	11,661	14,255	10,691	11,706	23,326	41,516	64,842
1927	628	12,424	15,492	11,455	12,937	23,126	43,821	66,947
1925	653	12,466	15,383	11,483	12,908	23,559	44,176	67,735
1923	623	13,093	15,853	12,028	13,183	24,778	48,356	73,134
1921	625	10,824	12,426	9,876	10,109	16,047	40,586	56,633
1919	1,069	14,428	17,005	13,219	14,082	20,715	58,521	88,236
1914	1,259	18,228	10,704	17,128	9,161	17,073	32,944	50,017
1909	1,374	n.a.	n.a.	19,489	8,970	17,460	32,102	49,622
1904	1,517	22,359	10,877	21,149	9,485	18,331	31,003	49,424
1899	1,694	22,926	9,611	22,117	8,786	16,289	22,151	38,440

n.a.—Not available.

<sup>1</sup>Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>2</sup>Figures for years prior to 1935 do not include cost of contract work.<sup>3</sup>For 1947 and 1929, value of products shipped; for all other years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>4</sup>The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for earlier years.<sup>5</sup>"Rattan and willow ware, n.e.c." was formerly a part of the discontinued industry "Baskets and rattan and willow ware, not including furniture." Separate figures for earlier years are therefore not available.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Fruit and vegetable baskets, total<sup>1</sup></b>	141	9,105	\$13,398	8,781	18,080	\$12,093	\$19,330	\$11,254	\$30,584	\$872
New England	9	143	273	134	268	233	282	153	435	1
Middle Atlantic	26	1,244	2,393	1,190	2,521	2,203	3,696	1,884	5,580	107
New York	11	609	1,157	573	1,275	1,042	1,506	683	2,189	46
New Jersey	9	594	1,188	580	1,176	1,119	2,081	1,142	3,223	60
<b>East North Central</b>	32	1,180	1,875	1,122	2,237	1,693	2,542	1,194	3,736	106
Illinois	8	247	298	231	448	261	371	261	632	6
West North Central	6	97	125	95	173	116	175	115	290	14
<b>South</b>	62	6,262	8,344	6,070	12,520	7,501	11,994	7,173	19,167	602
Virginia	4	931	1,641	896	1,934	1,379	2,177	1,650	3,827	93
North Carolina	8	985	1,652	963	2,072	1,396	2,207	1,796	4,003	72
Arkansas	4	524	574	511	1,009	533	792	342	1,134	26
West	6	179	388	170	361	347	641	735	1,376	42

See footnotes at end of table.

## WOODEN CONTAINERS

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TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Rattan and willow ware, n.e.c., total <sup>1</sup></b>	<b>53</b>	<b>1,073</b>	<b>\$2,101</b>	<b>983</b>	<b>2,047</b>	<b>\$1,776</b>	<b>\$3,573</b>	<b>\$3,670</b>	<b>\$7,243</b>	<b>\$74</b>
Northeast.....	34	635	1,263	590	1,227	1,100	2,284	2,622	4,906	54
New York.....	21	422	920	392	834	795	1,709	2,015	3,724	34
Pennsylvania.....	5	109	150	104	205	146	236	356	592	8
East North Central.....	12	390	744	349	739	688	1,144	902	2,046	17
South and West.....	7	48	94	44	81	88	145	146	291	3
<b>Cigar boxes, total <sup>1</sup></b>	<b>42</b>	<b>1,875</b>	<b>3,135</b>	<b>1,747</b>	<b>3,396</b>	<b>2,650</b>	<b>4,655</b>	<b>3,447</b>	<b>8,102</b>	<b>144</b>
Northeast.....	22	1,029	1,892	943	1,926	1,560	2,842	2,310	5,152	57
New Jersey.....	3	208	535	190	415	404	678	485	1,163	29
Pennsylvania.....	14	700	1,138	644	1,288	983	1,957	1,640	3,597	26
East North Central.....	8	192	278	183	350	261	535	322	857	38
South and West.....	12	654	905	621	1,120	829	1,278	815	2,093	49
Florida.....	4	401	567	383	644	470	744	246	990	31
<b>Wooden boxes (except cigar boxes), total <sup>1</sup></b>	<b>1,025</b>	<b>47,828</b>	<b>98,833</b>	<b>44,606</b>	<b>95,983</b>	<b>85,757</b>	<b>174,545</b>	<b>190,745</b>	<b>365,290</b>	<b>8,738</b>
New England.....	151	6,033	13,590	5,577	12,781	11,856	23,945	22,563	46,508	1,159
Maine.....	31	1,556	3,264	1,443	3,472	3,047	5,372	4,945	10,317	563
New Hampshire.....	29	1,366	3,056	1,242	2,785	2,640	5,342	5,190	10,532	120
Massachusetts.....	61	1,857	4,332	1,735	3,830	3,466	7,958	7,545	15,603	263
Middle Atlantic.....	171	4,039	9,751	3,648	7,927	8,045	15,982	24,179	40,161	591
New York.....	90	1,827	4,037	1,618	3,440	3,823	7,226	11,975	19,201	171
New Jersey.....	37	1,015	2,572	921	1,908	2,062	4,658	6,013	10,671	84
Pennsylvania.....	44	1,197	2,542	1,109	2,579	2,160	4,098	6,191	10,289	336
East North Central.....	247	8,001	19,859	7,965	16,787	17,190	38,890	37,561	76,251	1,502
Ohio.....	56	1,735	4,114	1,576	3,140	3,358	6,878	8,530	15,408	286
Indiana.....	23	603	1,284	569	1,170	1,154	2,559	3,734	6,293	88
Illinois.....	52	2,006	4,504	1,849	3,776	3,921	7,971	9,077	17,048	297
Michigan.....	66	1,913	4,849	1,787	3,707	4,321	12,529	9,171	21,700	541
Wisconsin.....	50	2,344	5,108	2,184	4,934	4,436	8,753	7,049	15,802	290
West North Central.....	64	1,855	4,216	1,740	3,915	3,749	6,215	7,525	13,740	428
Missouri.....	19	824	1,835	780	1,859	1,684	2,595	3,681	6,276	139
South Atlantic.....	121	11,009	17,814	10,386	22,452	15,513	31,293	26,778	58,068	1,546
Maryland.....	11	573	1,180	549	1,355	1,039	1,766	2,000	3,766	14
Virginia.....	22	1,285	2,682	1,183	2,422	1,769	3,758	3,627	7,383	83
North Carolina.....	16	1,995	3,603	1,920	4,042	3,353	6,171	4,237	10,408	387
South Carolina.....	7	648	916	605	1,141	723	1,151	2,300	3,451	35
Georgia.....	24	2,852	4,179	2,717	6,028	3,721	7,826	6,696	14,522	367
Florida.....	29	3,034	4,669	2,850	6,281	3,957	8,281	6,691	14,972	599
East South Central.....	53	5,742	9,535	5,406	11,264	8,259	15,349	19,067	34,416	1,084
Tennessee.....	17	1,626	2,818	1,413	3,059	2,170	4,092	4,145	8,237	444
Alabama.....	17	1,002	1,476	974	2,023	1,386	2,645	2,740	5,385	161
West South Central.....	50	5,218	9,179	4,904	11,049	8,100	16,070	13,889	29,959	677
Louisiana.....	12	2,219	3,896	2,089	4,591	3,377	6,879	6,499	13,378	296
Texas.....	26	1,396	2,332	1,324	2,973	2,085	4,342	3,869	8,211	224
West.....	108	5,331	14,889	4,980	9,808	13,045	27,001	39,186	66,187	1,751
California.....	104	3,042	8,683	2,850	5,824	7,808	17,209	26,819	44,028	1,114
<b>Cooperage, total <sup>1</sup></b>	<b>255</b>	<b>9,223</b>	<b>22,086</b>	<b>8,610</b>	<b>17,467</b>	<b>18,981</b>	<b>31,350</b>	<b>75,029</b>	<b>106,379</b>	<b>1,768</b>
New England.....	29	675	1,317	639	1,356	1,211	2,003	2,208	4,211	45
Massachusetts.....	14	428	887	402	866	804	1,215	1,772	2,987	25
Middle Atlantic.....	60	1,291	3,396	1,199	2,395	2,884	5,306	14,730	20,036	461
Pennsylvania.....	23	703	1,881	723	1,369	1,698	2,374	8,573	10,947	445
East North Central.....	58	1,823	4,642	1,706	3,571	4,243	7,982	15,195	23,177	450
Ohio.....	18	526	1,578	496	1,030	1,393	2,927	4,966	7,893	329
Indiana.....	9	230	613	212	453	502	1,000	1,479	2,479	46
Illinois.....	21	893	2,351	833	1,737	2,027	3,345	7,301	10,647	61
West North Central.....	26	879	1,956	810	1,611	1,796	2,950	7,127	10,077	28
South Atlantic.....	41	1,007	2,449	961	1,857	1,838	2,859	6,429	9,288	173
Virginia.....	14	272	470	264	493	424	720	682	1,402	65
East South Central.....	27	2,682	6,040	2,481	4,920	5,260	6,929	24,158	31,087	558
West South Central.....	13	554	1,065	529	1,120	969	1,913	1,832	3,745	20
West.....	11	312	921	285	627	780	1,408	3,350	4,758	33

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

**Fruit and vegetable baskets:** *New England*, Maine, 2; *New Hampshire*, 3 (50); *Vermont*, 2; *Massachusetts*, 1; *Connecticut*, 1; *Middle Atlantic*, Pennsylvania, 6 (41); *East North Central*, Ohio, 16 (408); *Indiana*, 2; *Michigan*, 5 (207); *Wisconsin*, 1; *West North Central*, Minnesota, 1; *Iowa*, 1; *Missouri*, 2; *Nebraska*, 1; *Kansas*, 1; *South, Delaware*, 2; *Maryland*, 3 (86); *South Carolina*, 6 (568); *Georgia*, 2; *Florida*, 3 (205); *Kentucky*, 3 (297); *Tennessee*, 4 (471); *Alabama*, 6 (200); *Mississippi*, 1; *Texas*, 16 (1,409); *West, Idaho*, 1; *Washington*, 1; *California*, 4.

**Rattan and willow ware, n.e.c.:** *Northeast*, Vermont, 1; *Massachusetts*, 6; *New Jersey*, 1; *East North Central*, Ohio, 3 (26); *Indiana*, 3 (260); *Illinois*, 3 (25); *Michigan*, 2; *Wisconsin*, 1; *South and West*, Maryland, 1; *Kentucky*, 1; *California*, 4 (43).

**Cigar boxes:** *Northeast*, Massachusetts, 1; *New York*, 4; *East North Central*, Ohio, 3 (126); *Indiana*, 1; *Illinois*, 2; *Michigan*, 1; *Wisconsin*, 1; *South and West*, Maryland, 1; *North Carolina*, 1; *South Carolina*, 1; *Louisiana*, 2; *Texas*, 1; *California*, 2.

**Wooden boxes (except cigar boxes):** *New England*, Vermont, 6 (571); *Rhode Island*, 9 (184); *Connecticut*, 15 (469); *West North Central*, Minnesota, 24 (627); *Iowa*, 9 (184); *South Dakota*, 1; *Nebraska*, 4 (100); *Kansas*, 7; *South Atlantic*, Delaware, 4 (373); *District of Columbia*, 1; *West Virginia*, 7; *East South Central*, Kentucky, 6 (470); *Mississippi*, 14 (2,744); *West South Central*, Arkansas, 9 (1,521); *Oklahoma*, 3 (83); *West, Idaho*, 5 (55); *Wyoming*, 1; *Colorado*, 5 (196); *New Mexico*, 2; *Arizona*, 6 (139); *Utah*, 3; *Washington*, 17 (517); *Oregon*, 26 (1,288).

**Cooperage:** *New England*, Maine, 10; *New Hampshire*, 3 (168); *Vermont*, 1; *Connecticut*, 1; *Middle Atlantic*, New York, 18 (362); *New Jersey*, 9 (166); *East North Central*, Michigan, 4; *Wisconsin*, 6; *West North Central*, Minnesota, 5; *Iowa*, 5 (70); *Missouri*, 11 (498); *South Dakota*, 1; *Nebraska*, 1; *Kansas*, 3 (66); *South Atlantic*, West Virginia, 7; *East South Central*, Kentucky, 10 (1,521); *Tennessee*, 11; *Alabama*, 6; *West South Central*, Arkansas, 2; *Louisiana*, 8 (360); *Texas*, 3; *West, Colorado*, 1; *Washington*, 1; *Oregon*, 1; *California*, 8 (241).

## CENSUS OF MANUFACTURES: 1947

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947  
[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry					ITEM	Industry				
	Fruit and vegetable baskets	Rattan and willow ware, n.e.c.	Cigar boxes	Wood-en boxes (except cigar boxes)	Coop-erage		Fruit and vegetable baskets	Rattan and willow ware, n.e.c.	Cigar boxes	Wood-en boxes (except cigar boxes)	Coop-erage
ALL ESTABLISHMENTS						ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued					
Number of establishments.....	141	53	42	1,025	255	Cost of materials, fuel, electricity, and contract work.....	\$11,254	\$3,670	\$3,447	\$186,214	\$75,029
All employees:						Timber cut.....	1,053	10	12,850	802	
Number (average for the year).....	9,105	1,073	1,875	47,828	9,223	Logs purchased, (cost).....	4,662	6	43	15,114	2,156
Salaries and wages, total.....	\$13,398	\$2,101	\$3,135	\$98,833	\$22,086	All other materials, parts, contain-ers, and supplies.....	5,109	3,614	3,319	152,362	71,272
Production and related workers:						Fuels, total.....	103	18	27	673	298
Number (average for the year).....	8,781	983	1,747	44,606	8,610	Bituminous coal.....	51	11	13	200	119
Man-hours, total.....thousands..	18,080	2,047	3,396	95,983	17,457	Fuel oils.....	15	2	3	109	35
Wages, total.....	\$12,093	\$1,776	\$2,650	\$85,757	\$18,981	Other fuels.....	37	5	11	304	144
Value added by manufacture.....	\$19,330	\$3,573	\$4,655	\$174,545	\$31,350	Purchased electric energy.....	188	28	47	1,972	352
ESTABLISHMENTS REPORTING DETAILED STATISTICS						Contract and commission work.....	139	4	1	3,243	59
Number of establishments.....	141	53	42	796	255	Value of inventories:					
All employees:						Beginning of year, total.....	\$3,923	\$683	\$1,138	\$30,952	\$25,667
Number (average for the year).....	9,105	1,073	1,875	46,367	9,223	Finished products.....	2,311	146	163	6,638	2,544
Salaries and wages, total.....	\$13,398	\$2,101	\$3,135	\$96,219	\$22,086	Materials, supplies, and work in process.....	1,612	537	975	24,314	23,123
Production and related workers:						End of year, total.....	5,132	1,082	1,301	38,403	38,918
Number (average for the year).....	8,781	983	1,747	43,208	8,610	Finished products.....	3,367	222	210	9,521	2,952
Man-hours, total.....thousands..	18,080	2,047	3,396	93,202	17,457	Materials, supplies, and work in process.....	1,765	860	1,001	28,882	35,966
Wages, total.....	\$12,093	\$1,776	\$2,650	\$83,310	\$18,981	Expenditures for plant and equipment:					
Value added by manufacture.....	\$19,330	\$3,573	\$4,655	\$171,001	\$31,350	New plant and equipment.....	\$872	\$74	\$144	\$8,738	\$1,768
Number of employees for pay period ended nearest Oct. 15:						Construction and major altera-tion of fixed plants.....	150	25	46	2,748	700
All employees:						Buildings.....	124	21	38	2,257	581
Male.....	8,786	1,190	1,838	46,567	8,421	Other construction.....	32	4	8	491	119
Female.....	5,874	829	851	40,036	8,103	Machinery and equipment.....	716	49	98	5,090	1,068
Production and related workers:						Production machinery and equipment.....	587	40	93	4,670	848
Male.....	8,463	1,097	1,702	43,373	7,824	Other machinery and equip-ment.....	129	9	5	1,320	220
Female.....	5,637	781	760	37,036	7,075	Used plant and equipment, and land.....	114	4	5	777	323
Force-account construction workers, administrative, supervisory, sales, and all other.....	232	93	136	3,095	597	Number of highway-type motor vehicles owned or leased:					
Male.....	237	48	91	2,301	428	Trucks.....	267	14	25	1,947	259
Female.....	86	45	45	794	169	By manufacturer's rated capacity:					
All employees, number by month:						Under 1½ tons.....	44	7	7	279	55
January.....	8,965	1,100	2,188	45,472	10,254	1½ tons.....	141	5	13	658	109
February.....	9,033	1,083	2,176	45,802	10,426	Over 1½ tons and less than 3½ tons.....	71	1	1	200	78
March.....	9,122	1,052	2,134	46,675	10,278	3½ tons and less than 5 tons.....	6	1	3	59	12
April.....	9,441	1,001	1,861	47,065	9,951	5 tons and over.....	5	1	1	52	5
May.....	9,568	983	1,721	46,950	9,740	By body type:					
June.....	9,562	1,010	1,682	46,906	9,401	Van.....	11	7	82	15	
July.....	9,590	994	1,680	46,327	9,096	Stake or platform.....	176	4	3	809	138
August.....	9,365	989	1,755	46,519	8,876	Panel or light delivery.....	23	0	14	173	30
September.....	8,900	1,112	1,822	46,103	8,727	All other trucks.....	57	1	1	283	67
October.....	8,785	1,190	1,838	46,567	8,421	Truck tractors.....	92	1	1	238	44
November.....	8,411	1,209	1,855	45,808	7,650	Trailers and semitrailers.....	96	1	1	303	59
December.....	8,446	1,187	1,784	45,597	7,738						

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947  
[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
<b>Fruit and vegetable baskets:</b>											
Number of establishments.....	141	18	10	22	37	25	24	4	1		
Number of employees (average for the year).....	9,105	45	66	204	1,299	1,667	3,754	1,970	( <sup>d</sup> )		
Value added by manufacture.....	\$19,330	\$159	\$142	\$570	\$2,670	\$4,066	\$8,278	\$3,455	( <sup>d</sup> )		
<b>Rattan and willow ware, n.e.c.:</b>											
Number of establishments.....	53	20	12	6	11	2	2				
Number of employees (average for the year).....	1,073	37	80	81	334	( <sup>d</sup> )	541				
Value added by manufacture.....	\$3,573	\$106	\$277	\$227	\$1,045	( <sup>d</sup> )	\$1,918				
<b>Cigar boxes:</b>											
Number of establishments.....	42	3	5	4	16	10	3	1			
Number of employees (average for the year).....	1,875	5	33	56	502	689	590	( <sup>d</sup> )			
Value added by manufacture.....	\$4,655	\$6	\$31	\$146	\$1,041	\$2,025	\$1,366	( <sup>d</sup> )			
<b>Wooden boxes (except cigar boxes):</b>											
Number of establishments.....	1,025	195	164	184	225	133	95	24	4	1	
Number of employees (average for the year).....	47,828	1,089	2,621	2,621	7,124	9,333	15,508	7,894	3,809	( <sup>d</sup> )	
Value added by manufacture.....	\$174,545	\$2,158	\$3,952	\$10,410	\$25,772	\$34,915	\$60,363	\$25,561	\$11,714	( <sup>d</sup> )	
<b>Coop- erage:</b>											
Number of establishments.....	255	77	48	50	33	19	22	5	1		
Number of employees (average for the year).....	9,223	172	336	687	1,011	1,336	3,385	2,896	( <sup>d</sup> )		
Value added by manufacture.....	\$31,350	\$745	\$1,652	\$2,953	\$3,762	\$5,579	\$10,365	\$6,294	( <sup>d</sup> )		



## WOODEN CONTAINERS

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TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

FRUIT AND VEGETABLE BASKETS INDUSTRY	Shipped by—		
	Fruit and vegetable baskets industry	Other industries	All industries
Total shipments by the industry	\$30,584		
A. Baskets and hampers, wooden	27,855	\$3,886	\$31,741
B. Secondary products	2,685		
C. Miscellaneous receipts	44		

  

RATTAN AND WILLOW WARE, N.E.C., INDUSTRY	Shipped by—		
	Rattan and willow ware, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$7,243		
A. Rattan and willow ware (except furniture and fruit and vegetable baskets)	6,348	\$475	\$6,823
B. Secondary products	802		
C. Miscellaneous receipts	93		

  

CIGAR BOXES INDUSTRY	Shipped by—		
	Cigar boxes industry	Other industries	All industries
Total shipments by the industry	\$8,102		
A. Cigar boxes, wooden and part wooden	8,097	\$1,415	\$9,482
B. Secondary products	35		

  

WOODEN BOXES (EXCEPT CIGAR BOXES) INDUSTRY	Shipped by—		
	Wooden boxes (except cigar boxes) industry	Other industries	All industries
Total shipments by the industry	\$365,290		
A. Wooden boxes (except cigar boxes)	345,619	\$61,367	\$406,986
Wirebound boxes for fruits and vegetables	16,945	991	17,936
Wirebound boxes for industrial and other uses	54,655	268	54,923
Non-wirebound boxes for fruits and vegetables	23,588	495	24,083
Non-wirebound boxes for industrial and other uses	100,813	7,374	108,187
Combination wood and fiber boxes	13,387		13,387
Box shuck, fruit, vegetable, industrial, etc.	125,869	34,020	159,889
Boxes not specified by type	10,362	18,219	28,581
B. Secondary products	14,994		
Rough lumber and sawed ties	1,254		
Dressed lumber (excluding flooring)	1,542		
Fruit and vegetable baskets	3,356		
All other secondary products	8,842		
C. Miscellaneous receipts	4,677		
Contract and commission work	1,655		
Repair work	138		
Scrap and salable refuse	1,350		
Nonmanufacturing activities	1,534		

  

COOPERAGE INDUSTRY	Shipped by—		
	Cooperage industry	Other industries	All industries
Total shipments by the industry	\$106,379		
A. Cooperage	99,222	\$2,759	\$101,981
Slack cooperage	30,031	(?)	30,031
Tight cooperage	66,528	1,022	67,550
Cooperage not specified by type	1,431	2,737	3,168
Recoopered barrels and kegs	1,232		1,232
B. Secondary products	4,662		
Cooperage stock	2,972		
All other secondary products	1,690		
C. Miscellaneous receipts	2,495		
Contract and commission work	1,797		
Other receipts	698		

<sup>1</sup> Includes \$8,075,000 for small establishments that were not asked to report a breakdown of total shipments.

<sup>2</sup> A small amount of slack cooperage was produced in other industries but was combined with "cooperage not specified by type" to avoid disclosing figures for individual companies.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947	1939	
	Shipments and interplant transfers (value f.o.b. plant)	Production	
		Quantity	Value
Fruit and vegetable baskets and hampers	\$31,741		\$15,224
Hampers and round stave baskets	22,455		
Climax baskets	1,461		n.a.
Splint baskets	2,059		
Berry cups and tins	3,087		
Other and baskets not specified by kind	2,085		

  

PRODUCT	1947	1939	
	Shipments and interplant transfers (value f.o.b. plant)	Production	
		Quantity	Value
Rattan and willow ware	\$6,823		\$4,087
Cigar boxes, wooden and part wooden	9,482		
Size one-tenth (100 cigars)			76,648
Size one-twentieth (50 cigars)			5,679
Size one-fortieth (25 cigars)			57,734
Size not specified and miscellaneous sizes			11,981
			1,254

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947			1939	PRODUCT	1947			1939
	Shipments and interplant transfers (value f.o.b. plant)			Pro-duction (value)		Shipments and interplant transfers (value f.o.b. plant)			Pro-duction (value)
	Total	Made from pur-chased shook	Made from raw mate-rials (lumber, veneer, plywood, etc.)			Total	Made from pur-chased shook	Made from raw mate-rials (lumber, veneer, plywood, etc.)	
Wooden boxes and shook (except cigar boxes)	\$406,986			\$126,019	Wooden boxes and shook (except cigar boxes)—Continued				
Wirebound boxes for fruits and vege- tables	17,936	\$691	\$17,245	9,010	Combination wood and fiber boxes	\$13,387	\$248	\$13,139	\$640
Made from lumber	7,759	195	7,564	2,059	Box shook, fruit, vegetable, indus- trial, etc.	159,889			
Made from veneer and plywood	10,177	496	9,681	6,951	Made from lumber	94,852			
Wirebound boxes for industrial and other uses	54,923	3,958	50,965	14,506	For fruits and vegetables	43,701			
Made from lumber	17,035	3,234	13,801	7,311	For industrial and other uses	51,151			
Made from veneer and plywood	37,888	724	37,164	7,195	Made from veneer	12,444			
Non-wirebound boxes for fruits and vegetables	24,083	11,660	12,423	40,399	For fruits and vegetables	9,605			
Made from lumber	17,285	10,978	6,307	29,258	For industrial and other uses	2,839			
Made from veneer	6,798	682	6,116	11,141	Made from plywood	28,537			
Non-wirebound boxes for industrial and other uses	108,187	11,671	96,516	61,464	For fruits and vegetables	28,537			
Made from lumber	91,550	9,806	81,744	48,381	For industrial and other uses	28,537			
Made from veneer and plywood	16,637	1,865	14,772	13,083	Box shook not specified by type	24,056			
					Boxes not specified by type	28,581			

PRODUCT	1947		1939			
	Total shipments and interplant transfers		Production			
	Quantity (M units)	Value f.o.b. plant	Total value	Quantity and value reported		Value only reported
				Quantity (M units)	Value	
Cooperage		\$101,981	\$34,569	38,614	\$32,872	\$1,697,700
Slack cooperage	34,599	30,031	12,061	22,395	11,271	
Hogsheads, barrels, and kegs for:						
Food and food products	3,207	5,260				
Chemicals	1,034	1,654				
Hardware, wire, and metal products	10,378	5,423				
Nails	8,661	3,287				
Other products	11,319	14,407				
Tight cooperage	9,319	67,550				
Hogsheads, barrels, and kegs for:			22,508	10,219	21,601	907
Bourbon and other whiskey	3,115	45,636				
Beer, ale, spirits, and wine	(3)	(3)	7,942	1,762	7,942	
Food products	2,741	15,654	1,340	371	1,242	98
Chemicals, inedible oils, and greases	440	2,161				
Other products	346	1,829	9,324	4,884	8,821	503
Tubs, pails, kits, buckets, firkins, etc.	2,677	2,270				
Cooperage not specified by type		3,168	3,002	9,202	3,596	306
Recoopered barrels and kegs	692	1,232				
Slack barrels and kegs	332	422				
Tight barrels and kegs	360	810				

n.a.—Not available.

<sup>1</sup> Estimated in part for all sizes.<sup>2</sup> A small amount of plywood fruit and vegetable shook has been combined with other plywood shook to avoid disclosing figures for individual companies.<sup>3</sup> Includes \$8,075,000 for small establishments that were not asked to report a breakdown of total shipments.<sup>4</sup> Shook included with boxes.<sup>5</sup> Beer, ale, spirit and wine barrels and kegs were combined with food barrels and kegs to avoid disclosing figures for individual companies.

TABLE 7.—LUMBER, VENEER, AND PLYWOOD CONSUMED IN THE WOODEN CONTAINERS INDUSTRIES: 1947

PRODUCT	Fruit and vegetable baskets industry	Rattan and willow ware industry	Cigar boxes industry	Wooden boxes industry
Lumber (M ft., b. m.)	25,741	1,088	7,169	1,909,569
Veneer (M sq. ft., surface measure)	1,074,480		12,586	1,805,369
Plywood (M sq. ft., face area)		783		494,803

## MISCELLANEOUS WOOD PRODUCTS

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in treating wood products with preservatives and in the production of lasts and related products, mirror and picture frames and framed pictures, turned and shaped wood products, and wood products not elsewhere classified. These establishments have been classified in four industries described separately below.

**Wood Preserving** (*Standard Industrial Classification No. 2491.*)—This industry comprises establishments primarily engaged in treating wood (produced in other establishments) with creosote or other preservatives to prevent decay and to protect against fire and insects. Establishments primarily engaged in manufacturing wood products which they may also treat with preservatives are not included.

Detailed statistics are omitted from table 5 ("Value of Products Shipped") for the industry to avoid disclosing the operations of the relatively few establishments that treat wood products as a secondary activity. Data were not collected as to the value of wood products treated at sawmills and planing mills, but it is believed that this value would constitute less than five percent of the total shown in table 6 ("Quantity and Value of Products").

**Lasts and Related Products** (*Standard Industrial Classification No. 2492.*)—This industry comprises establishments primarily engaged in manufacturing lasts for boots and shoes, last sole patterns, shoe trees and stretchers, and display forms for boots and shoes, regardless of the material used.

Statistics are omitted in table 2 ("General Statistics by States") for the major producing State, Massachusetts, and for all other States except Missouri, to avoid disclosing the operations of individual firms. Detailed statistics are omitted from table 5 ("Value of Products Shipped") for this industry to avoid disclosing the operations of the few establishments classified in other industries that also manufacture lasts and related products.

**Mirror and Picture Frames** (*Full Standard Industrial Classification title and number: Mirror Frames and Picture Frames, 2493.*)—This industry comprises establishments primarily engaged in manufacturing finished picture-frame moldings; in manufacturing frames for mirrors, pictures, photographs, and medallions; and in framing pictures for the trade. Establishments primarily engaged in manufacturing mirror glass are classified in Industry 3231 (Glass Products Made of Purchased Glass), and the framing of pictures to individual order in nonmanufacturing industries.

There is some duplication in the value of products and cost of materials for this industry, since the value of finished molding or frames is, in some cases, duplicated in the cost of materials and value of shipments of manufacturers of assembled framed pictures. The extent of such duplication cannot be determined on the basis of the information reported.

**Wood Products, N.E.C.** (*Full Standard Industrial Classification title and number: Wood Products, Not Elsewhere Classified, 2499.*)—This industry comprises establishments primarily engaged in turning and shaping wood and manufacturing miscellaneous wood products, not elsewhere classified, such as bakers' wooden equipment, battery separators, carvings, clothespins, cloth-winding and cable reels, dishes and other household and kitchen woodenware, flag poles, wood-flour, furniture turnings, wooden handles, garment hangers, ladders, oars, rolling pins, scaffolds, tailors' pressing blocks, textile machinery turnings, toilet seats (regardless of materials), toothpicks, trays, inlaid veneer work, vehicle stock, and washboards (wooden and part wooden).

The definition of this industry has been broadened in 1947 to include battery separators (formerly in the Planing Mill Industry) and toilet seats (formerly in the Enameled-Iron Sanitary Ware and Other Plumbers' Supplies Industry). General statistics for 1939 have been retabulated on this basis and are shown in table 1 ("General Statistics for the United States"), but comparable statistics are not available for years prior to 1939. Similarly, data for battery separators and toilet seats have been included in the product statistics in table 6 for both 1947 and 1939.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Wood preserving:</b>								
1947	242	16,247	\$37,142	14,772	\$32,020	\$92,041	\$211,916	\$303,057
1939	218	12,023	12,206	11,242	9,764	28,818	77,477	108,295
1937	197	13,351	13,291	12,401	11,338	32,016	84,684	116,700
1935	185	9,833	8,802	8,985	6,639	20,587	59,781	80,308
1933	185	7,700	5,475	7,027	4,238	12,558	31,087	43,945
1931	211	n.a.	n.a.	9,700	8,214	21,373	85,141	106,514
1929	199	14,490	18,562	13,077	14,940	43,242	147,703	190,945
1927	193	13,720	17,016	12,259	13,726	43,003	141,555	184,558
1925	131	9,468	11,767	8,416	9,606	24,475	60,709	91,184
1923	103	7,524	8,918	6,520	6,878	20,944	50,139	71,083
1921	78	4,685	5,775	4,153	4,502	12,990	34,432	47,422
1919	73	4,614	5,636	3,978	4,342	9,997	23,242	33,239
1914	68	3,451	2,728	2,830	1,785	4,995	16,060	21,055
1909	53	2,784	1,683	2,403	1,066	4,771	9,328	14,099
1904	26	852	473	737	315	905	2,463	3,368
1899	21	532	262	478	205	571	1,825	2,396
<b>Lasts and related products:</b>								
1947	50	1,959	5,348	1,699	4,159	8,937	4,192	13,129
1939	48	1,848	2,850	1,519	1,995	4,646	2,026	6,072
1937	48	1,705	2,501	1,444	1,833	3,809	1,624	5,433
1935	48	1,745	2,566	1,496	1,911	4,062	1,450	5,521
1933	47	1,572	2,006	1,404	1,687	3,736	1,308	5,044
1931	51	n.a.	n.a.	1,497	2,020	4,064	1,683	5,747
1929	58	2,065	3,489	1,760	2,569	5,375	2,315	7,690
1927	59	2,047	3,409	1,718	2,504	5,024	2,505	7,529
1925	62	2,398	4,031	2,035	3,012	6,252	3,049	9,301
1923	64	2,706	4,325	2,258	3,123	6,703	3,197	9,900
1921	67	3,031	4,591	2,618	3,492	8,041	4,336	12,377
1919	64	3,301	4,526	2,010	3,410	8,538	3,933	12,471
1914	66	2,443	2,113	2,094	1,511	3,246	1,343	4,589
1909	60	1,982	1,615	1,728	1,203	2,835	1,324	4,150
1904	55	1,394	1,021	1,208	708	1,732	768	2,520
1899	65	1,228	758	1,131	660	1,353	527	1,880
<b>Mirror and picture frames:</b>								
1947	246	3,811	10,255	3,293	7,742	15,506	10,049	25,555
1939	182	3,951	4,627	3,220	3,065	7,070	5,571	13,250
1937	163	3,920	4,654	3,382	3,433	7,533	5,234	12,767
1935	169	3,199	3,544	2,677	2,552	5,675	4,177	9,852
1933	138	2,748	2,268	2,403	1,847	4,284	2,823	7,107
1931	160	n.a.	n.a.	3,113	3,492	7,366	3,780	11,146
1929	178	5,127	7,959	4,446	5,752	12,705	6,533	19,238
1927	166	5,089	7,642	4,460	5,893	12,433	7,050	19,489
1925	162	4,889	7,380	4,230	5,646	12,335	6,835	19,170
1923	223	5,147	7,291	4,496	5,761	12,463	6,178	18,641
1921	259	4,438	6,147	3,846	4,879	9,804	5,644	15,448
1919	429	5,531	6,501	4,708	4,775	11,168	7,227	18,385
1914	438	5,662	3,928	4,787	2,850	6,546	4,408	11,014
1909	437	7,039	4,380	6,021	3,261	7,950	5,525	13,475
1904	442	7,609	4,209	6,625	3,315	8,205	4,975	13,270
1899	362	6,913	3,339	6,029	2,550	6,118	4,720	10,847
<b>Wood products, n. e. c.:</b>								
1947	1,811	43,497	92,797	39,748	78,425	144,033	132,842	276,875
1939	917	n.a.	n.a.	23,721	19,444	43,593	34,115	77,708

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>2</sup> For 1947 and 1929, the figures represent value of products shipped except that 1929 statistics for "Wood preserving" represent value of products made; for all other years for each industry, the figures represent value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>3</sup> For "Wood preserving," the statistics for cost of materials and value of products for 1927-47 are not comparable with those for 1899-1925 because statistics for the later years include an estimated value of forest products treated but not owned by the reporting establishments.<sup>4</sup> For "Mirror and picture frames," the figures for cost of materials and value of products shipped contain some duplication. (See text on industry.)<sup>5</sup> The 1939 returns have been retabulated to provide figures comparable with those for 1947. The figures for prior years are not sufficiently comparable to be shown in this table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947  
[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Wood preserving, total <sup>1</sup></b>	242	16,247	\$37,142	14,772	31,706	\$32,020	\$92,041	\$211,916	\$303,957	\$6,243
New England	3	155	365	140	309	342	923	2,243	3,166	89
Middle Atlantic	16	642	1,680	581	1,250	1,454	3,559	10,195	13,754	195
Pennsylvania	7	280	811	257	571	710	1,726	3,261	4,987	143
East North Central	20	2,301	5,762	2,068	4,315	4,849	13,707	35,331	49,038	991
Ohio	8	688	1,918	600	1,283	1,482	3,252	11,391	14,643	122
Indiana	6	380	831	352	706	787	1,405	5,112	6,517	125
Illinois	11	953	2,315	857	1,747	1,993	7,270	14,097	21,367	710
West North Central	17	1,111	2,789	990	2,126	2,414	6,449	16,069	22,518	402
Minnesota	11	688	1,628	517	1,149	1,392	3,633	9,798	13,431	179
South Atlantic	42	3,487	7,319	3,142	6,831	6,148	17,539	42,556	60,095	1,819
Virginia	7	456	978	407	894	834	2,548	4,949	7,497	349
North Carolina	5	245	447	231	517	405	1,139	1,753	2,892	197
South Carolina	4	753	1,436	678	1,410	1,249	3,367	11,052	14,419	340
Georgia	10	841	1,721	754	1,656	3,790	9,458	13,248	13,248	257
Florida	9	631	1,503	557	1,373	1,177	4,257	9,608	13,865	176
East South Central	31	2,567	5,171	2,385	5,091	4,538	14,379	29,058	43,437	781
Alabama	11	783	1,503	715	1,585	1,299	2,874	6,375	9,249	288
Mississippi	11	1,080	2,140	1,031	2,226	1,956	6,854	11,705	18,559	289
West South Central	43	3,680	7,393	3,385	7,504	6,482	19,064	36,890	55,954	859
Louisiana	13	886	1,598	811	1,842	1,355	5,805	8,729	14,534	117
Texas	20	2,234	4,606	2,066	4,656	4,088	10,585	21,418	31,983	587
Mountain	28	917	2,283	845	1,726	2,010	5,488	12,305	17,793	304
Pacific	33	1,378	4,380	1,236	2,484	3,783	10,933	27,269	38,202	833
Washington	15	575	1,785	602	930	1,538	3,727	9,713	13,440	250
Oregon	7	362	1,111	334	667	961	2,468	5,354	7,822	287
California	11	441	1,484	400	867	1,284	4,738	12,202	16,940	296
<b>Lasts and related products, total <sup>1</sup></b>	50	1,959	5,348	1,699	3,417	4,159	8,937	4,192	13,129	253
New England	25	935	2,561	811	1,826	2,027	4,083	2,044	6,127	67
Middle Atlantic	14	496	1,305	416	870	982	2,257	932	3,189	164
East North Central	5	287	848	282	502	675	1,508	821	2,329	14
West North Central	6	241	634	210	419	475	1,089	395	1,484	18
Missouri	6	241	634	210	419	475	1,089	395	1,484	18
Mirror and picture frames, total <sup>1</sup>	246	3,811	10,255	3,293	6,675	7,742	15,506	10,049	25,555	296
New England	25	263	642	231	454	445	1,039	608	1,647	8
Middle Atlantic	118	1,014	2,580	875	1,755	2,002	4,370	3,169	7,539	52
New York	102	874	2,298	749	1,496	1,783	3,889	2,750	6,639	36
East North Central	52	2,115	6,141	1,816	3,737	4,670	8,757	5,320	14,077	216
Illinois	37	1,866	5,481	1,616	3,296	4,103	7,920	4,842	12,762	195
Michigan	8	66	137	58	118	109	207	97	304	4
West North Central	11	82	188	71	126	138	250	190	440	2
South	11	156	254	136	279	197	355	227	582	14
Pacific	20	181	450	164	324	390	735	535	1,270	4
<b>Wood products, n. e. c., total <sup>1</sup></b>	1,811	43,497	92,797	39,748	84,911	78,425	144,033	132,842	276,875	10,259
New England	328	9,880	20,999	9,150	20,426	18,281	29,462	26,621	56,083	2,482
Massachusetts	83	1,422	3,946	1,302	2,790	3,477	5,679	6,173	11,852	660
Rhode Island	10	56	153	60	122	120	299	232	531	6
Middle Atlantic	391	7,430	16,910	6,690	14,392	13,730	27,851	24,525	52,376	1,834
New York	247	4,403	10,503	4,045	8,568	8,580	17,428	15,331	32,769	809
New Jersey	43	500	1,622	454	968	1,128	3,036	2,817	5,853	92
Pennsylvania	101	2,428	4,785	2,191	4,828	4,022	7,387	6,377	13,764	483
East North Central	446	9,856	23,531	8,882	18,783	19,585	38,328	32,273	70,601	1,680
Ohio	69	1,298	2,961	1,147	2,488	2,384	5,010	5,709	10,719	264
Illinois	129	1,381	3,683	1,251	2,714	2,958	6,723	5,732	12,455	324
Wisconsin	77	1,492	3,239	1,327	2,823	2,690	5,956	6,008	11,964	491
West North Central	92	1,849	3,746	1,682	3,546	3,087	5,639	5,942	11,581	( <sup>d</sup> ) 96
Missouri	45	584	1,102	545	1,118	977	1,645	1,094	2,739	
South	343	11,410	19,066	10,490	22,343	16,718	29,413	33,161	62,574	2,723
Maryland	8	237	417	220	470	367	939	1,472	2,411	71
West Virginia	0	319	509	300	649	487	817	710	1,527	17
North Carolina	43	797	1,271	723	1,424	1,024	1,741	1,854	3,595	208
South Carolina	9	662	1,123	609	1,170	959	1,128	1,354	2,482	232
Florida	20	161	208	155	305	197	368	320	688	8
Kentucky	15	778	1,577	698	1,494	1,241	2,366	2,121	4,487	128
Alabama	21	357	562	325	736	463	792	1,252	2,044	43
Mississippi	20	1,008	1,650	930	2,045	1,413	2,945	3,487	6,432	200
Louisiana	8	120	177	112	204	141	325	230	555	8
Texas	39	375	600	345	697	526	1,214	1,533	2,747	128
Mountain	10	123	283	98	189	217	320	167	496	( <sup>d</sup> ) 826
Pacific	192	2,949	7,632	2,756	5,232	6,807	13,011	10,153	23,164	

<sup>d</sup> Withhold to avoid disclosing figures for individual companies.

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

**Wood preserving:** New England, Maine, 1; New Hampshire, 1; Connecticut, 1; Middle Atlantic, New York, 4 (155); New Jersey, 5 (207); East North Central, Michigan, 2; Wisconsin, 2; West North Central, Iowa, 1; Missouri, 4; Kansas, 1; South Atlantic, Delaware, 1; Maryland, 3 (307); West Virginia, 3; East South Central, Kentucky, 5 (369); Tennessee, 4 (335); West South Central, Arkansas, 5 (242); Oklahoma, 5 (327); Mountain, Montana, 3 (216); Idaho, 10 (213); Wyoming, 4; Colorado, 4 (205); New Mexico, 2.

**Lasts and related products:** New England, Maine, 2; New Hampshire, 3; Massachusetts, 20 (763); Middle Atlantic, New York, 11 (470); New Jersey, 2; Pennsylvania, 1; East North Central, Ohio, 2; Indiana, 2; Wisconsin, 1.

**Mirror and picture frames:** New England, Maine, 1; Massachusetts, 15 (216); Rhode Island, 4 (32); Connecticut, 5; Middle Atlantic, New Jersey, 7 (112); Pennsylvania, 9 (38); East North Central, Ohio, 3 (132); Indiana, 2; Wisconsin, 2; West North Central, Minnesota, 2; Iowa, 2; Missouri, 6 (40); Nebraska, 1; South, Maryland, 2; Virginia, 2; Georgia, 2; Kentucky, 1; Tennessee, 1; Texas, 3 (25); Pacific, Washington, 2; Oregon, 1; California, 26 (133).

**Wood products, n. e. c.:** New England, Maine, 104 (5,022); New Hampshire, 47 (1,448); Vermont, 59 (1,587); Connecticut, 25 (346); East North Central, Indiana, 59 (1,220); Wisconsin, 2; West North Central, Minnesota, 30 (808); Iowa, 10 (297); South Dakota, 1; Nebraska, 3; Kansas, 3 (83); South, Delaware, 2; Virginia, 21 (399); Georgia, 2; Kentucky, 1; Tennessee, 1; Texas, 37 (2,770); Arkansas, 37 (2,770); Oklahoma, 11; Mountain, Montana, 3 (13); Idaho, 3 (15); Wyoming, 2; Colorado, 6 (53); New Mexico, 1; Arizona, 2; Utah, 2; Pacific, Washington, 23 (677); Oregon, 41 (717); California, 128 (1,055).

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947  
[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry				ITEM	Industry			
	Wood pre- serving	Lasts and related prod- ucts	Mirror and picture frames	Wood prod- ucts, n. e. c.		Wood pre- serving	Lasts and related prod- ucts	Mirror and picture frames	Wood prod- ucts, n. e. c.
ALL ESTABLISHMENTS					ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued				
Number of establishments.....	242	50	246	1,811	Cost of materials, fuel, electricity, and con- tract work.....	\$211,016	\$4,192	\$8,097	\$125,642
All employees:					Materials, parts, containers, and supplies.....	207,084	4,009	8,732	121,849
Number (average for the year).....	16,247	1,959	3,811	43,497	Fuels, total.....	3,706	61	81	929
Salaries and wages, total.....	\$37,142	\$5,348	\$10,255	\$92,797	Bituminous coal.....	2,318	24	30	464
Production and related workers:					Anthracite.....	50	3	5	15
Number (average for the year).....	14,772	1,699	3,293	39,748	Coke.....				
Man-hours, total..... thousands.....	31,706	3,417	6,675	84,911	Fuel oils.....	764	30	31	165
Wages, total.....	\$32,020	\$4,159	\$7,742	\$78,425	Gas.....	391	4	9	68
Value added by manufacture.....	\$92,041	\$8,937	\$15,506	\$144,033	Other fuels.....	183			218
ESTABLISHMENTS REPORTING DETAILED STATISTICS					Purchased electric energy.....	690	115	114	2,182
Number of establishments.....	242	50	146	1,181	Contract and commission work.....	436	7	70	682
All employees:					Value of inventories:				
Number (average for the year).....	16,247	1,959	3,434	40,406	Beginning of year, total.....	\$49,503	\$1,328	\$3,074	\$32,372
Salaries and wages, total.....	\$37,142	\$5,348	\$9,501	\$80,668	Finished products.....	17,037	124	848	6,879
Production and related workers:					Materials, supplies, and work in process.....	32,466	1,204	2,226	25,493
Number (average for the year).....	14,772	1,699	2,928	36,734	End of year, total.....	61,804	1,824	3,046	41,408
Man-hours, total..... thousands.....	31,706	3,417	5,951	78,908	Finished products.....	25,380	160	909	9,420
Wages, total.....	\$32,020	\$4,159	\$7,025	\$72,551	Materials, supplies, and work in process.....	35,024	1,604	2,137	31,988
Value added by manufacture.....	\$92,041	\$8,937	\$14,167	\$135,858	Expenditures for plant and equipment:				
Number of employees for pay period ended nearest Oct. 15:					New plant and equipment.....	\$6,243	\$253	\$296	\$10,258
All employees.....	15,677	1,935	3,691	40,274	Construction and major alteration of fixed plants.....	1,673	7	57	3,908
Male.....	15,326	1,877	2,567	32,409	Buildings.....	921	7	57	3,543
Female.....	351	258	1,124	7,865	Other construction.....	752			365
Production and related workers.....	14,180	1,669	3,182	36,574	Machinery and equipment.....	4,670	246	239	6,360
Male.....	14,149	1,522	2,254	29,993	Production machinery and equip- ment.....	4,164	213	225	5,247
Female.....	31	147	928	6,611	Other machinery and equipment.....	406	33	14	1,103
Force-account construction workers.....	15		92		Used plant and equipment, and land.....	780	2	96	1,587
Administrative, supervisory, sales, and all other.....	1,482	266	509	3,608	Number of highway-type motor vehicles owned or leased:				
Male.....	1,162	165	313	2,365	Trucks.....	179	13	16	1,094
Female.....	320	111	196	1,253	By manufacturer's rated capacity:				
All employees, number by month:					Under 1½ tons.....	59	6	12	271
January.....	15,820	2,034	3,646	40,860	1½ tons.....	76	6	4	513
February.....	15,993	1,994	3,651	41,774	Over 1½ tons and less than 3½ tons.....	41	1		232
March.....	16,326	1,963	3,576	41,855	3½ tons and less than 5 tons.....	3			28
April.....	16,662	1,968	3,484	41,483	5 tons and over.....				50
May.....	16,785	1,964	3,198	39,733	By body type:				
June.....	17,058	1,884	3,011	39,037	Van.....	2	1	2	54
July.....	16,968	1,921	3,073	39,164	Stake or platform.....	66	10	2	697
August.....	16,947	1,895	3,177	38,965	Panel or light delivery.....	40	1	11	184
September.....	16,418	1,918	3,395	40,004	All other trucks.....	71	1	1	159
October.....	15,677	1,935	3,691	40,274	Truck tractors.....	51			69
November.....	15,306	1,973	3,726	40,447	Trailers and semitrailers.....	55			83
December.....	14,893	2,030	3,521	40,576					

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>a</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all estab- lish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Wood preserving:</b>											
Number of establishments.....	242	12	26	16	62	75	47	4			
Number of employees (average for the year).....	16,247	25	176	249	2,064	5,336	6,999	1,398			
Value added by manufacture.....	\$92,041	\$81	\$1,216	\$1,365	\$11,948	\$33,538	\$38,336	\$5,557			
<b>Lasts and related products:</b>											
Number of establishments.....	50	9	7	5	9	17	3				
Number of employees (average for the year).....	1,959	15	46	73	306	1,133	386				
Value added by manufacture.....	\$8,937	\$77	\$185	\$332	\$1,279	\$5,357	\$1,707				
<b>Mirror and picture frames:</b>											
Number of establishments.....	246	106	55	38	31	10	5	1			
Number of employees (average for the year).....	3,811	214	361	503	904	670	1,159	( <sup>a</sup> )			
Value added by manufacture.....	\$15,506	\$942	\$1,501	\$1,736	\$3,839	\$2,443	\$5,045	( <sup>a</sup> )			
<b>Wood products, n. e. c.:</b>											
Number of establishments.....	1,811	701	359	272	262	134	66	11	4	2	
Number of employees (average for the year).....	43,497	1,511	2,371	3,876	8,156	9,169	9,622	3,649	\$5,143	( <sup>a</sup> )	
Value added by manufacture.....	\$144,033	\$5,470	\$7,469	\$13,312	\$28,954	\$31,157	\$34,616	\$11,623	\$13,432	( <sup>a</sup> )	

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

WOOD PRESERVING INDUSTRY	Shipped by—		
	Wood preserving industry	Other industries	All industries
Total shipments by the industry.....	\$303, 957		
A. Treated wood products.....	(d)	(d)	\$299, 279
B. Secondary products.....	2, 615		
C. Miscellaneous receipts.....	(d)		

  

MIRROR AND PICTURE FRAMES INDUSTRY	Shipped by—		
	Mirror and picture frames industry	Other industries	All industries
Total shipments by the industry.....	<sup>1</sup> \$ 25, 555		
A. Primary products of the industry.....	22, 608	\$2, 048	\$24, 656
Frames for mirrors and pictures.....	13, 262	1, 173	14, 435
Other mirror and picture products, not elsewhere classified or specified by kind.....	9, 346	875	10, 221
B. Secondary products.....	2, 670		
Mirrors.....	1, 202		
Other secondary products.....	1, 468		
C. Miscellaneous receipts.....	277		

  

LASTS AND RELATED PRODUCTS INDUSTRY	Shipped by—		
	Lasts and related products industry	Other industries	All industries
Total shipments by the industry.....	\$13, 129		
A. Lasts and related products.....	(d)	(d)	\$12, 673
B. Secondary products.....	63		
C. Miscellaneous receipts.....			

  

WOOD PRODUCTS, NOT ELSEWHERE CLASSIFIED, INDUSTRY	Shipped by—		
	Wood products, n. e. c., industry	Other industries	All industries
Total shipments by the industry.....	\$276, 875		
A. Primary products of the industry.....	248, 480	\$15, 564	\$264, 044
Handles, wood.....	36, 231	2, 293	38, 524
Furniture parts, textile machinery turnings, and vehicle stock.....	52, 427	1, 804	54, 231
Ladders, wood.....	17, 078	538	17, 616
Other wood products, n. e. c.....	124, 311	10, 424	134, 735
Products of the industry, not specified by kind.....	18, 433	505	18, 938
B. Secondary products.....	24, 833		
Wooden boxes (except cigar boxes).....	3, 949		
Wood household furniture (except upholstered).....	3, 877		
Sawmill and planing mill products.....	2, 298		
Millwork.....	1, 640		
Games and toys (except dolls and children's vehicles).....	1, 653		
Other secondary products.....	11, 416		
C. Miscellaneous receipts.....	3, 562		
Contract and commission work.....	1, 540		
Other miscellaneous receipts.....	2, 022		

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.<sup>1</sup> Contains some duplication (see text).

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Wood preserving (total value of treated products) <sup>1</sup> .....		\$299, 279		\$104, 753
Wood owned and treated for sale.....		141, 881		<sup>2</sup> 64, 535
Wood owned and treated for own use.....		144, 017		
Wood owned by others and treated on a custom basis.....		113, 381		40, 218
Amount received for treating.....		32, 711		13, 754
Estimated value of wood, before treatment.....		80, 670		26, 464
Lasts and related products.....		12, 673		6, 107
(M pairs)				
Lasts for boots and shoes.....	3, 502	9, 842	<sup>3</sup> 3, 091	5, 051
Wood.....	3, 384	9, 201	(d)	(d)
Aluminum.....	118	641	n. a.	<sup>4</sup> 275
Remodeled lasts.....	232	176		
(M)				
Last sole patterns.....	656	205	965	154
Wood.....	342	118	<sup>5</sup> 763	135
Other patterns and patterns not specified by kind.....	314	87	<sup>5</sup> 202	19
Shoe trees and stretchers and forms for boots and shoes.....		2, 267		627
Lasts and related products, not elsewhere classified or specified by kind.....		183		
Frames for mirrors and pictures.....		14, 435		<sup>6</sup> 11, 169
Wood.....		7, 610		7, 633
Metal.....		6, 825		3, 120
Other frames and frames not specified by kind.....				416
Other mirror and picture products.....		10, 221		
Framed pictures.....		7, 031		(d)
Mirror and picture products, not elsewhere classified or specified by kind.....		<sup>7</sup> 3, 190		1, 978

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
<b>Handles, wood</b>		\$38,524		\$12,657
Hand tool handles		22,036		6,988
Striking tool handles (ax, pick, hammer, etc.)		11,414		4,460
Lifting and pulling tool handles (fork, hoe, rake, spade, shovel, etc.)		5,821		2,528
Other hand tool handles (peavey, scythe, mechanics, farm, garden, household, etc.)		4,801		5,600
Other handles		14,394		
Handles not specified by kind		2,094		
<b>Furniture parts, textile machinery turnings, and vehicle stock</b>		54,231		20,142
Furniture parts, turned, shaped, and carved (legs, rungs, spindles, drawer stops, etc.)		21,157		6,612
Textile machinery turnings and shapes (bobbins, spools, shuttles, picker sticks, etc.)		11,841		6,664
Vehicle stock (body parts, rims, spokes, hubs, etc.)		21,233		6,866
<b>Ladders, wood</b>		17,616		4,841
Stepladders	( <i>M lin. ft.</i> )	7,521	n.a.	
Rung ladders	13,048	8,922	n.a.	4,384
Other scaffolding equipment and ladders, not specified by kind	17,235	1,173		457
<b>Other wood products, not elsewhere classified</b>		134,735		43,514
Wood novelties and specialties (book ends, ash trays, etc.)		11,821		6,820
Woodenware		15,256		
Turned, shaped, and molded (dishes, serving forks and spoons, salad and mixing bowls, etc.)		9,469		( <sup>9</sup> )
Stamped (forks, spoons, plates, depressors, applicators, etc.)		5,787		
Battery separators		6,406		\$ 4,304
Other wood products, not elsewhere classified		<sup>10</sup> 101,252		<sup>11</sup> 32,381
<b>Wood products, not specified by kind</b>		<sup>12</sup> 18,938		

n.a.—Not available.

<sup>9</sup> Withheld to avoid disclosing figures for individual companies.<sup>1</sup> The value of wood products treated at sawmills and planing mills, which is believed to constitute less than 5 percent of the total value of treated wood products, is excluded from these data.<sup>2</sup> The majority of establishments treating wood products for their own use reported the value of treated wood at cost instead of at the estimated market value, for both 1947 and 1939. Market values for these firms were estimated in 1947, resulting in an addition of about \$5.5 million. In 1939, however, the original figures reported were used. If market values had been estimated for such firms in 1939, less than 5 percent would have been added to the value for that year.<sup>3</sup> Estimated in part.<sup>4</sup> Includes a small value representing receipts for repair work and for contract and commission work.<sup>5</sup> Originally published in "M pairs." Converted to "M" to conform to 1947 data and to industry practices. Those quantities were also estimated in part.<sup>6</sup> Framed pictures were not reported as a separate item in 1939. It is believed that a significant but indeterminate portion of the value of frames for that year actually refers to framed pictures.<sup>7</sup> Includes total shipments (\$2.4 million) of 100 small establishments, classified in the "Mirror Frame and Picture Frame" industry, for which no detailed breakdown of shipments was tabulated.<sup>8</sup> Manufacturers reported the production in 1939 of approximately \$9.6 million worth of bowls, dishes, pastry boards, clothespins, ironing boards, clothes racks, washboards, toothpicks, skewers, etc. listed as "woodenware" in 1939. Since the 1939 combined figures includes data for items not included in the 1947 figure, the \$9.6 million has been added into the "other wood products, n. e. c.," total for 1939.<sup>9</sup> Classified in the planing mill industry in 1939.<sup>10</sup> Includes a large variety of miscellaneous wood turnings and other wood products. The major items included are toilet seats (regardless of materials), pencil slats, and cable and wire reels.<sup>11</sup> Toilet seats were classified in the "Enameled-Iron Sanitary Ware and Other Plumbers' Supplies" industry in 1939 but have been since reassigned to the "Wood Products, n. e. c.," industry. The value of 1939 production for this item (approximately \$5.7 million) has therefore been added to the "Other Wood Products, n. e. c.," total published in 1939.<sup>12</sup> Includes total shipments (\$15.4 million) of 630 small establishments, classified in the "Wood Products, n. e. c.," industry, for which no detailed breakdown of shipments was tabulated.



## Major Group 25.—FURNITURE AND FIXTURES

This major group includes establishments engaged in manufacturing household, office, public-building, professional, and restaurant furniture, office and store fixtures, and window and door screens and shades, and venetian blinds, regardless of the materials used. Establishments primarily engaged in manufacturing beauty and barber-shop furniture,

except hydraulic chairs (Standard Industrial Classification Industry 3991) are included in this major group. Establishments primarily engaged in the production of millwork are classified in Industry 2431, and woodworking to individual order or in the nature of reconditioning and repair in nonmanufacturing industries.

### GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees <sup>1</sup>		Production workers		Value added by manufacture <sup>2</sup>
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total	
1947 .....	7,687	322,384	\$824,061	282,780	\$653,915	\$1,377,908
1930 <sup>3</sup> .....	5,178	n.a.	n.a.	186,820	186,820	417,785
1937 <sup>4</sup> .....	4,469	n.a.	n.a.	198,464	201,570	424,355
1935 .....	4,319	171,116	171,374	151,657	133,020	273,802
1933 .....	3,491	137,308	110,605	123,242	90,528	192,834
1931 .....	4,584	n.a.	n.a.	146,910	146,958	321,582
1929 .....	5,491	243,321	358,680	219,328	275,997	614,533
1927 .....	4,666	237,042	338,356	210,018	265,788	569,114
1925 <sup>5</sup> .....	4,776	231,536	321,279	204,398	253,623	561,553
1923 .....	4,532	216,824	292,740	191,904	232,051	510,299
1921 .....	4,826	161,880	213,551	142,020	164,771	346,971
1919 .....	4,821	183,274	214,008	169,479	161,674	365,903
1914 .....	4,844	168,730	109,717	149,441	84,200	174,295
1909 <sup>6</sup> .....	4,337	n.a.	n.a.	142,340	72,736	180,848
1904 .....	3,497	136,840	68,779	126,637	37,658	115,845
1899 .....	2,614	n.a.	n.a.	98,414	40,298	82,259

n.a.—Not available.

<sup>1</sup> The figures for 1947 and 1930 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known. See GENERAL EXPLANATIONS—Manufacturing employees—Classifications used.

<sup>2</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899–1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>3</sup> The figures for 1947 and 1930 include data for establishments primarily engaged in manufacture of metal partitions, classified for earlier years in the "Fabricated metal products" industries. Value added by manufacture for 1930, excluding data for these establishments, was \$410.7 million.

<sup>4</sup> The figures for 1937 and later years include data for establishments primarily engaged in manufacture of venetian blinds, included for earlier years in the series for the "Lumber and products, except furniture" industries. Value added by manufacture for 1937, excluding data for these establishments and therefore on a basis comparable with 1935, was \$417.7 million.

<sup>5</sup> The figures for 1899–1925 do not include data for establishments primarily engaged in manufacture of sewing machine cases, cabinets, and tables, classified for these years in the "Machinery (except electrical)" industries.

<sup>6</sup> The figures for 1899–1909 do not include data for establishments primarily engaged in manufacture of window and door screens, included for these years in the series for the "Lumber and products, except furniture" industries. Value added by manufacture for 1914, excluding data for these establishments and on a basis comparable with 1909, was \$169.4 million.

## HOUSEHOLD FURNITURE

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of wood household furniture, except upholstered; wood and metal household furniture, upholstered; reed and rattan furniture; metal household furniture, except upholstered; mattresses and bedsprings; and household furniture, not elsewhere classified (principally glass, plastic, and paperboard furniture). These establishments have been classified in six industries described separately below. The 1947 Census of Manufactures does not include establishments making furniture on order for individual household consumers, nor establishments primarily engaged in repairing or renovating furniture.

The Bureau of the Census published quarterly statistics on household furniture shipments covering the period July 1946–March 1948. Estimates were made based on a sample of plants that were in existence in July 1946. The estimates for the year 1947, \$1,500,000,000, (excluding mattresses and furniture frames) did not, therefore, include shipments from plants that started operations after that date. Shipments of these items reported to the Census of Manufactures amounted to approximately \$1,600,000,000. The quarterly survey included some small establishments that were excluded from the 1947 Census of Manufactures, such as custom manufacturers and those engaged primarily in furniture repairing. It is believed that these firms have relatively little effect on comparability.

Information was also collected on the consumption of lumber, dimension stock, and steel in the household furniture industries. These data are shown in table 7.

**Wood House Furniture, Except Upholstered** (*Full Standard Industrial Classification title and number: Wood Household Furniture, Except Upholstered, 2511.*)—This industry includes establishments primarily engaged in manufacturing wood household furniture commonly used in dwellings. This industry also includes wooden cases and cabinets for radios and sewing machines, kitchen cabinets, camp furniture, nursery furniture, and smoking stands. Establishments primarily engaged in manufacturing upholstered furniture are classified in Industry 2512, and reed and rattan furniture in Industry 2513.

Wood Household Furniture, Except Upholstered, was not a separate industry classification in 1939, but the reports for that year have been retabulated to show statistics comparable with those for 1947. It should be noted that furniture frames were

classified in this industry in 1939, but in 1947 were classified in Industry 2512, Wood Household Furniture, Upholstered.

**Household Furniture, Upholstered** (*Includes Standard Industrial Classification, Wood Household Furniture, Upholstered, 2512, and part of Metal Household Furniture, 2514.*)—This industry comprises establishments primarily engaged in manufacturing upholstered furniture on wood and metal frames, or manufacturing wood frames for upholstered furniture. Shops primarily engaged in reupholstering furniture, or upholstering frames to individual order are classified in nonmanufacturing industries.

The Standard Industrial Classification definition was modified for the 1947 Census of Manufactures to include all upholstered household furniture regardless of material used in the frame. The products of this industry are produced to a considerable extent in other industries, particularly in Industry 2515, Mattresses and Bedsprings. Studio couches, sofa beds, and other dual-purpose furniture are classified in this industry, but actually are produced in greater volume in the Mattresses and Bedsprings Industry. For this reason, other industries shipped over 16 percent of the total value reported for 1947.

**Reed and Rattan Furniture** (*Standard Industrial Classification No. 2513.*)—This industry comprises establishments primarily engaged in manufacturing reed, rattan, fiber, willow, and other wicker furniture, whether padded or plain. This industry did not exist as a separate classification in 1939, but the reports for that year have been retabulated to provide comparability with 1947.

Approximately 36 percent of the shipments of products of this industry were made by establishments classified in other industries. About 20 percent of the industry's shipments consisted of products of other industries.

**Metal House Furniture, Except Upholstered** (*Part of Standard Industrial Classification, Metal Household Furniture, 2514.*)—This industry comprises establishments primarily engaged in manufacturing metal household furniture, except upholstered, of a type commonly used in dwellings.

The above definition was modified for the 1947 Census of Manufactures to exclude upholstered metal household furniture. This type of furniture was included in Industry 2512, "Household Furniture, Upholstered," described above. This industry did not exist as a separate classification in 1939, but the reports for that year have been retabulated to provide statistics comparable with those for 1947.

Almost 20 percent of the shipments of this industry consisted of products classified in other industries, primarily other household furniture industries. Establishments classified in other industries accounted for approximately 30 percent of the total 1947 shipments of metal household furniture. This is due in part to the fact that metal beds and cots were classified in this industry, but were shipped in considerable volume by establishments in the mattresses and bedsprings industry. Also, a considerable amount of metal kitchen cabinets were shipped by establishments classified in the various metal-working industries.

**Mattresses and Bedsprings** (*Standard Industrial Classification No. 2515.*)—This industry comprises establishments primarily engaged in manufacturing mattresses (including foam-rubber and box-spring mattresses); assembled wire springs (fabric, coil, or box) for use on beds, couches, and cots; and spring cushions. Establishments primarily engaged in manufacturing individual wire springs are classified in Industry 3489.

Almost 25 percent of the shipments of this industry represented furniture classified in other industries as was mentioned above in the descriptions of Industries 2512 and 2514. This industry shipped a considerable volume of studio couches

(\$35,861,000) and metal household furniture (\$29,083,000). The products of this industry were not produced in any great volume by establishments classified in other industries.

**Household Furniture, Not Elsewhere Classified** (*Standard Industrial Classification No. 2519.*)—This industry comprises establishments primarily engaged in manufacturing household furniture, except wood, reed, rattan, and metal. The products of this industry consist chiefly of glass, plastic, and paperboard furniture. Wood framed paperboard storage cabinets, wardrobes, etc. accounted for a considerable proportion of total shipments.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work <sup>2</sup>	Value of products shipped <sup>3</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Wood house furniture, except upholstered:</b>								
1947	2,251	132,700	\$306,371	120,661	\$254,595	\$492,738	\$412,588	\$205,326
1939 <sup>4</sup>	1,273	n. a.	n. a.	83,923	72,272	147,093	130,975	278,068
<b>Household furniture, upholstered:</b>								
1947	1,391	44,755	114,861	39,786	92,908	192,430	188,623	381,053
1939 <sup>5</sup>	977	n. a.	n. a.	32,226	32,481	67,696	68,320	136,016
1937 <sup>6</sup>	791	n. a.	n. a.	31,607	32,995	65,611	73,654	139,265
<b>Reed and rattan furniture:</b>								
1947	20	771	1,919	686	1,521	3,697	2,696	6,393
1939 <sup>4</sup>	55	n. a.	n. a.	976	877	1,910	1,560	3,470
<b>Metal house furniture, except upholstered:</b>								
1947	309	19,485	51,634	16,654	39,369	94,511	95,704	190,215
1939 <sup>4</sup>	138	n. a.	n. a.	7,633	8,490	19,587	20,380	39,967
<b>Mattresses and bedsprings:</b>								
1947	879	30,344	82,102	25,460	60,824	146,050	185,029	331,079
1939	947	23,062	26,264	18,342	19,498	52,173	60,942	113,115
1937	839	22,333	26,446	19,165	19,811	49,930	63,190	113,120
1935	824	17,918	19,775	15,404	14,668	35,862	48,949	84,811
1933	645	15,130	13,446	13,280	10,694	27,233	32,491	59,724
1931	781	n. a.	n. a.	13,622	14,702	39,999	37,509	77,608
1929	951	19,856	29,598	17,187	22,684	61,753	61,627	123,280
1927	838	16,206	23,891	13,481	16,887	46,653	52,182	98,835
1925 <sup>7</sup>	1,018	17,304	23,883	14,403	17,430	48,228	62,489	110,717
1923	1,015	17,104	23,018	14,103	16,473	46,085	61,477	107,562
1921	889	14,045	18,778	11,748	13,546	32,568	42,056	74,624
1919	1,041	15,261	18,364	12,637	12,805	34,744	49,209	83,953
1914	1,000	13,971	9,414	11,747	6,723	16,318	22,399	38,717
1909	930	13,240	7,810	11,322	5,771	15,300	20,483	35,783
1904	716	11,681	6,069	10,427	4,816	12,429	15,326	27,755
1899	589	8,500	3,872	7,649	3,102	7,729	10,227	17,956
<b>Household furniture, n.e.c.:</b>								
1947	21	882	2,138	773	1,555	4,041	3,596	7,637
1939 <sup>8</sup>								

n. a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>2</sup> Figures prior to 1935 do not include cost of contract work.<sup>3</sup> For 1947 and 1929, value of products shipped; for all other years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>4</sup> The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available prior to 1939 for "Wood house furniture, except upholstered," "Reed and rattan furniture," and "Metal house furniture, except upholstered."<sup>5</sup> The returns for 1939, but not for 1937 have been retabulated to provide figures comparable with those for 1947. Value added for 1939, before retabulation and on a basis strictly comparable with 1937, was \$62.7 million.<sup>6</sup> "Household furniture, upholstered" was formerly a part of the discontinued classification "Furniture, including store and office fixtures." Separate figures are therefore not available prior to 1937.<sup>7</sup> The figures for 1899-1925 include data for establishments engaged primarily in renovating mattresses.<sup>8</sup> No establishments were primarily engaged in the manufacture of household furniture, n.e.c., in 1939.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees <sup>a</sup>		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Wood house furniture, except upholstered, total<sup>1</sup></b>	<b>2,251</b>	<b>132,709</b>	<b>\$306,371</b>	<b>120,661</b>	<b>258,117</b>	<b>\$254,595</b>	<b>\$492,738</b>	<b>\$412,588</b>	<b>\$905,326</b>	<b>\$32,257</b>
New England.....	199	6,832	16,409	6,163	13,670	13,580	24,519	10,950	44,469	1,175
Maine.....	8	180	337	163	350	283	517	341	858	24
New Hampshire.....	17	808	1,849	728	1,614	1,478	2,809	2,193	5,002	112
Massachusetts.....	126	3,884	9,901	3,505	7,775	8,246	14,382	12,604	26,986	676
Connecticut.....	21	550	1,304	492	1,049	1,060	2,022	1,628	3,650	57
Middle Atlantic.....	558	20,710	52,896	18,568	40,092	44,401	81,819	65,930	147,758	3,910
New York.....	383	10,679	29,221	9,629	20,742	24,512	45,433	35,177	80,610	2,189
New Jersey.....	55	1,463	3,828	1,280	2,595	3,129	5,669	5,883	11,552	201
Pennsylvania.....	120	8,568	19,847	7,769	16,755	16,760	30,717	24,879	55,696	1,520
East North Central.....	513	37,609	94,109	33,774	72,361	78,226	142,701	116,703	250,404	10,530
Ohio.....	58	2,774	6,862	2,480	5,123	5,225	11,221	7,600	18,821	456
Indiana.....	135	14,176	33,050	12,836	27,634	27,537	51,505	47,053	98,558	2,526
Illinois.....	149	8,132	22,056	7,131	14,850	18,206	35,389	28,365	63,754	4,468
Michigan.....	121	8,417	22,429	7,693	16,447	18,874	29,067	21,132	50,199	1,432
Wisconsin.....	50	4,110	10,212	3,634	8,307	8,384	15,619	12,563	28,072	1,648
West North Central.....	92	3,427	7,056	3,086	6,403	5,822	10,355	10,221	20,576	576
Iowa.....	15	471	1,033	417	928	883	1,951	1,686	3,637	102
Missouri.....	30	1,712	3,549	1,631	3,132	2,800	4,956	5,356	10,312	262
Kansas.....	12	470	1,010	432	913	876	1,117	1,371	2,488	102
South Atlantic.....	339	38,505	74,845	35,974	76,218	68,521	142,134	114,708	250,932	9,537
Maryland.....	19	710	1,647	600	1,365	1,202	2,369	2,243	4,612	242
Virginia.....	55	12,323	25,692	11,407	24,464	21,744	47,018	40,711	88,329	3,864
North Carolina.....	169	19,868	37,419	18,741	39,154	32,090	75,067	58,121	133,188	4,191
South Carolina.....	20	2,138	4,149	2,006	4,185	3,457	5,790	6,238	12,028	634
Georgia.....	52	2,299	3,411	2,143	4,891	2,866	7,554	4,556	12,210	331
East South Central.....	132	11,008	23,576	9,771	22,225	18,304	32,821	35,032	67,853	3,218
Kentucky.....	35	4,048	12,794	4,248	10,559	9,995	16,510	17,278	33,788	1,080
Tennessee.....	58	4,265	7,838	3,941	7,960	5,968	13,325	12,697	26,022	1,122
Alabama.....	27	493	634	465	944	578	816	1,194	2,010	(d)
Mississippi.....	12	1,302	2,310	1,117	2,462	1,763	2,170	3,863	6,033	(d)
West South Central.....	95	4,755	9,268	4,328	9,317	7,094	15,583	17,213	32,796	1,159
Arkansas.....	25	2,335	4,697	2,119	4,687	3,585	8,611	8,920	17,531	648
Louisiana.....	19	714	1,313	657	1,864	1,058	2,403	2,597	5,000	151
Mountain.....	15	187	396	164	318	314	422	464	886	28
Pacific.....	308	9,876	27,756	8,833	17,513	23,333	42,384	32,268	74,652	2,124
Washington.....	33	1,529	3,838	1,402	2,622	3,160	6,328	6,197	12,525	370
Oregon.....	16	2,274	6,520	2,148	4,258	5,564	9,342	6,141	14,453	436
California.....	259	6,873	17,398	5,283	10,633	14,609	20,714	20,930	47,644	1,312
<b>Household furniture, upholstered, total<sup>1</sup></b>	<b>1,391</b>	<b>44,755</b>	<b>114,861</b>	<b>39,786</b>	<b>80,656</b>	<b>92,908</b>	<b>192,430</b>	<b>188,623</b>	<b>381,053</b>	<b>9,833</b>
New England.....	152	2,332	7,114	2,463	5,016	5,583	11,907	12,921	24,828	459
Massachusetts.....	103	1,947	4,808	1,672	3,428	3,714	8,137	8,752	10,889	287
Rhode Island.....	6	103	379	86	169	222	451	711	1,102	67
Connecticut.....	33	430	1,086	379	724	886	1,967	1,593	3,560	72
Middle Atlantic.....	373	8,190	24,407	7,188	14,765	19,997	40,730	37,481	78,211	1,019
New York.....	258	6,600	17,680	4,883	10,010	14,580	28,480	26,670	55,150	510
New Jersey.....	30	436	1,258	378	748	1,070	2,122	2,089	4,211	73
Pennsylvania.....	85	2,154	5,469	1,927	4,007	4,347	10,128	8,722	18,850	436
East North Central.....	262	12,129	34,121	10,659	21,927	27,079	56,466	53,204	109,730	2,078
Ohio.....	62	2,860	7,786	2,543	5,010	6,099	13,724	11,868	25,592	538
Indiana.....	37	2,240	6,727	2,017	4,243	4,267	8,921	11,911	20,832	496
Illinois.....	75	3,741	11,118	3,295	6,785	9,230	18,965	17,400	36,374	627
West North Central.....	62	2,359	6,342	2,077	4,388	4,788	9,405	11,918	21,823	613
Minnesota.....	17	619	1,740	538	1,113	1,325	2,497	2,434	4,931	42
Iowa.....	10	698	2,061	603	1,310	1,436	3,413	4,691	8,104	95
South Atlantic.....	229	8,312	16,413	7,563	15,227	13,537	28,848	26,461	55,309	2,394
Maryland.....	22	632	1,278	589	1,150	1,130	2,263	1,075	3,938	(d)
Virginia.....	15	784	1,440	704	1,293	1,181	3,555	1,861	6,400	289
North Carolina.....	152	5,454	10,930	4,961	10,133	9,140	18,652	18,211	36,868	1,616
Georgia.....	19	842	1,610	771	1,560	1,190	2,582	2,587	5,169	388
Florida.....	13	340	799	296	616	630	1,187	1,178	2,315	44
East South Central.....	51	3,219	6,071	2,939	5,758	4,976	10,805	10,705	21,510	1,012
Kentucky.....	14	952	1,854	836	1,756	1,444	3,108	2,895	6,003	227
Tennessee.....	30	1,042	3,708	1,803	3,397	3,117	6,594	6,952	13,546	628
West South Central.....	46	2,232	4,958	1,971	4,111	4,001	9,450	9,640	19,099	938
Arkansas.....	8	507	1,085	457	896	806	1,874	2,536	4,410	54
Texas.....	31	1,468	3,303	1,280	2,722	2,730	6,743	5,468	12,211	868
Mountain.....	23	361	859	328	704	730	1,568	2,287	3,855	53
Colorado.....	9	158	377	145	297	333	684	1,124	1,808	14
Utah.....	9	162	407	148	325	340	612	901	1,613	2
Pacific.....	193	5,121	14,576	4,598	8,760	12,217	23,242	23,046	47,188	1,237
Washington.....	23	953	2,546	850	1,543	2,045	3,816	3,443	7,259	116
Oregon.....	14	602	1,605	552	970	1,417	2,804	3,186	5,090	70
California.....	156	3,566	10,425	3,196	6,247	8,755	16,622	17,317	33,939	1,051

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Reed and rattan furniture, total<sup>1</sup></b>	29	771	\$1,919	686	1,459	\$1,521	\$3,697	\$2,696	\$6,393	\$81
Northeast	16	209	464	189	363	379	963	480	1,443	25
North Central	5	396	996	352	817	778	1,857	1,200	3,117	12
South and West	8	166	459	145	279	364	877	956	1,833	44
<b>Metal house furniture, except upholstered, total<sup>1</sup></b>	309	19,485	51,634	16,654	34,015	39,369	94,511	95,704	190,215	7,194
New England	22	719	2,115	619	1,302	1,405	3,538	4,252	7,790	87
Massachusetts	13	567	1,647	404	1,036	1,083	2,765	3,482	6,247	55
Middle Atlantic	121	4,485	13,001	3,797	7,738	9,706	24,351	25,079	49,430	1,110
New York	76	2,820	8,382	2,366	4,832	6,249	15,510	14,908	30,478	526
North Central	101	11,931	30,680	10,207	20,728	23,772	54,420	55,565	109,985	3,270
Ohio	22	3,329	8,076	3,008	6,249	7,299	15,840	16,622	32,462	1,062
Indiana	12	1,631	3,941	1,454	2,864	3,210	8,883	8,708	17,591	507
Illinois	47	4,170	11,019	3,538	7,183	8,139	18,122	20,768	38,890	995
South	37	1,468	3,239	1,269	2,533	2,308	7,234	6,193	13,432	2,471
Maryland	5	165	413	136	282	294	848	725	1,573	(4) 20
North Carolina	8	220	451	189	402	324	1,043	1,127	2,170	256
Pacific	28	882	2,599	772	1,664	2,178	4,968	4,610	9,578	
<b>Mattresses and bedsprings, total<sup>1</sup></b>	879	30,344	82,102	25,460	51,652	60,824	146,050	185,029	331,079	7,434
New England	87	1,763	4,808	1,415	2,834	3,129	8,845	11,978	20,823	203
Massachusetts	60	1,391	3,865	1,115	2,249	2,618	7,432	9,642	17,074	129
Middle Atlantic	248	6,576	18,651	5,455	10,436	13,818	32,648	41,168	73,816	1,191
New York	155	3,073	8,814	2,539	5,101	6,409	15,908	18,939	34,847	620
New Jersey	40	2,348	6,990	1,963	3,493	4,467	12,193	15,019	27,212	363
Pennsylvania	53	1,155	2,847	953	1,842	1,942	4,547	7,210	11,757	208
East North Central	140	9,929	28,108	8,269	17,081	21,577	47,955	54,464	102,419	1,997
Indiana	12	400	975	337	628	703	1,729	2,194	3,923	51
Illinois	59	3,543	9,670	3,021	6,209	7,178	17,064	21,372	38,436	542
West North Central	67	1,751	4,767	1,452	2,906	3,203	9,186	12,755	21,941	415
Minnesota	11	661	2,031	521	1,018	1,197	3,559	4,765	8,324	274
Missouri	23	652	1,645	571	1,133	1,143	3,389	5,010	8,390	74
Nebraska	3	142	302	126	204	252	677	1,004	1,681	40
South	243	6,590	14,116	5,684	11,875	10,310	28,869	38,282	67,151	1,981
Maryland	11	404	855	341	744	595	1,354	2,691	4,045	22
West Virginia	9	147	273	133	258	215	611	1,030	1,641	20
North Carolina	18	403	842	337	650	551	1,510	2,071	3,581	88
Florida	25	416	940	363	875	712	1,760	2,219	3,975	101
Tennessee	14	1,103	2,642	946	1,951	1,702	4,494	7,054	11,548	403
Alabama	12	271	608	221	417	369	1,201	2,053	3,254	46
Arkansas	6	170	325	158	303	267	842	1,063	1,377	23
Oklahoma	13	135	300	121	283	250	475	902	1,377	26
Texas	68	774	1,569	663	1,333	1,219	3,816	5,268	9,084	490
Mountain	20	396	893	353	752	727	1,525	2,474	3,999	110
New Mexico	3	84	73	28	62	50	133	147	280	16
Pacific	75	3,330	10,760	2,812	5,768	8,060	17,022	23,608	40,980	1,537
California	65	3,121	10,179	2,640	5,452	7,630	15,616	21,924	37,540	1,501
<b>Household furniture, n. e. c., total<sup>1</sup></b>	21	882	2,133	773	1,601	1,555	4,941	3,596	7,637	101
Northeast	10	588	1,341	514	1,057	961	2,617	2,657	5,274	72
North Central	7	261	731	227	478	529	1,337	852	2,180	29
South and West	4	33	66	32	66	65	87	87	174	

<sup>1</sup> Withheld to avoid disclosing figures for individual companies.<sup>2</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.**Wood house furniture, except upholstered:** New England, Vermont, 22 (1,289); Rhode Island, 5 (121); West North Central, Minnesota, 32 (755); Nebraska, 3 (19); South Atlantic, Delaware, 1; West Virginia, 5; Florida, 28 (680); West South Central, Oklahoma, 9 (462); Texas, 42 (1,244); Mountain, Montana, 2; Idaho, 2; Colorado, 2; New Mexico, 2; Arizona, 4 (40); Utah, 3 (18).**Household furniture, upholstered:** New England, Maine, 2; New Hampshire, 8; East North Central, Michigan, 75 (2,241); Wisconsin, 23 (1,047); West North Central, Missouri, 26 (721); Nebraska, 9 (321); South Atlantic, West Virginia, 5 (145); South Carolina, 3 (115); East South Central, Alabama, 6; Mississippi, 1; West South Central, Louisiana, 4 (187); Oklahoma, 3 (70); Mountain, Idaho, 2; Wyoming, 1; New Mexico, 1; Arizona, 1.**Reed and rattan furniture:** Northeast, Massachusetts, 3; New York, 11 (170); New Jersey, 1; Pennsylvania, 1; North Central, Ohio, 1; Illinois, 2; Minnesota, 1; Iowa, 1; South and West, Florida, 1; Tennessee, 1; Oregon, 1; California, 5 (120).**Metal house furniture, except upholstered:** New England, New Hampshire, 1; Vermont, 1; Rhode Island, 3; Connecticut, 4 (109); Middle Atlantic, New Jersey, 11 (428); Pennsylvania, 34 (1,228); North Central, Michigan, 11 (1,634); Wisconsin, 3; Iowa, 1; Missouri, 4 (1,064); Kansas, 1; South, Virginia, 1; South Carolina, 1; Georgia, 4 (240); Florida, 3; Kentucky, 3 (400); Tennessee, 4 (78); Alabama, 4 (222); Texas, 4 (118); Pacific, Washington, 1; Oregon, 2; California, 25 (726).**Mattresses and bedsprings:** New England, Maine, 4; New Hampshire, 1; Vermont, 1; Rhode Island, 4 (85); Connecticut, 17 (194); East North Central, Ohio, 36 (1,242); Michigan, 34 (582); Wisconsin, 11 (4,162); West North Central, Iowa, 9; North Dakota, 1; Kansas, 10 (239); South, Delaware, 1; District of Columbia, 4; Virginia, 13 (305); South Carolina, 14 (108); Georgia, 10 (1,635); Kentucky, 10 (410); Mississippi, 4 (53); Louisiana, 12 (255); Mountain, Montana, 1; Idaho, 1; Colorado, 8 (141); Arizona, 4 (116); Utah, 3; Pacific, Washington, 7 (141); Oregon, 3 (68).**Household furniture, n. e. c.:** Northeast, Rhode Island, 1; New York, 7 (391); New Jersey, 2; North Central, Illinois, 6; Minnesota, 1; South and West, Kentucky, 1; Tennessee, 1; California, 2.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947  
 [Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry					
	Wood house furniture, except upholstered	Household furniture, upholstered	Reed and rattan furniture	Metal house furniture, except upholstered	Mattresses and bedsprings	Household furniture, n.e.c.
ALL ESTABLISHMENTS						
Number of establishments.....	2,251	1,391	29	309	879	21
All employees:						
Number (average for the year).....	132,709	44,755	771	19,485	30,344	882
Salaries and wages, total.....	\$306,371	\$114,861	\$1,919	\$51,634	\$82,102	\$2,138
Production and related workers:						
Number (average for the year).....	120,661	39,786	686	16,654	25,460	773
Man-hours, total.....	258,117	80,656	1,459	34,015	51,662	1,601
Wages, total.....	\$254,595	\$92,908	\$1,521	\$39,369	\$60,824	\$1,555
Value added by manufacture.....	\$492,738	\$192,430	\$3,697	\$94,511	\$140,050	\$4,041
ESTABLISHMENTS REPORTING DETAILED STATISTICS						
Number of establishments.....	1,552	1,056	29	226	576	21
All employees:						
Number (average for the year).....	127,949	42,952	771	18,027	29,022	882
Salaries and wages, total.....	\$297,888	\$110,820	\$1,919	\$50,440	\$70,406	\$2,138
Production and related workers:						
Number (average for the year).....	116,292	38,049	686	16,126	24,170	773
Man-hours, total.....	249,405	77,184	1,459	32,966	49,093	1,601
Wages, total.....	\$247,026	\$89,165	\$1,521	\$38,304	\$58,225	\$1,555
Value added by manufacture.....	\$481,315	\$180,347	\$3,697	\$92,215	\$141,059	\$4,041
Number of employees for pay period ended nearest Oct. 15:						
All employees.....	132,324	46,391	732	18,633	31,753	893
Male.....	113,331	38,183	559	15,320	24,239	833
Female.....	18,993	8,208	173	3,313	7,514	200
Production and related workers.....	120,306	41,240	652	15,774	26,592	784
Male.....	105,363	34,853	508	13,459	21,286	660
Female.....	15,033	6,387	144	2,315	5,306	224
Force-account construction workers.....	190	96		18	3	
Administrative, supervisory, sales, and all other.....	11,738	5,055	80	2,841	5,158	109
Male.....	7,780	3,234	51	1,843	2,950	73
Female.....	3,958	1,821	29	998	2,208	36
All employees, number by month:						
January.....	125,283	42,961	785	10,715	28,335	1,072
February.....	126,908	42,457	795	19,016	28,270	922
March.....	126,088	42,029	825	19,734	28,037	907
April.....	125,309	41,097	820	18,837	27,064	908
May.....	124,333	39,788	800	18,615	26,676	866
June.....	124,794	39,396	805	18,410	20,876	819
July.....	122,740	39,632	741	17,469	27,626	711
August.....	126,159	41,784	743	17,731	29,084	808
September.....	128,140	43,588	731	18,034	30,204	806
October.....	132,324	46,391	732	18,633	31,753	893
November.....	134,824	47,624	736	19,617	32,016	886
December.....	136,028	48,210	716	20,245	32,093	814
Cost of materials, fuel, electricity, and contract work.....	\$401,062	\$182,190	\$2,696	\$93,193	\$178,955	\$3,596
Materials, parts, containers, and supplies.....	387,266	178,737	2,662	90,477	176,890	3,453
Fuels, total.....	3,704	854	13	1,026	929	8
Bituminous coal.....	2,857	582	9	378	444	1
Anthracite.....	243	51		5	24	
Coke.....	25	5		4	1	
Fuel oils.....	274	121	2	250	294	6
Gas.....	180	49	1	365	120	
Other fuels.....	125	46	1	24	46	1
Purchased electric energy.....	5,069	1,336	19	1,128	901	48
Contract and commission work.....	5,023	1,263	2	562	235	87
Value of inventories:						
Beginning of year, total.....	\$115,275	\$48,860	\$770	\$23,313	\$43,303	\$918
Finished products.....	22,777	7,588	355	3,503	5,178	143
Materials, supplies, and work in process.....	92,498	41,272	424	19,810	38,125	775
End of year, total.....	143,091	51,901	765	25,618	46,186	993
Finished products.....	31,603	8,003	320	5,205	7,693	180
Materials, supplies, and work in process.....	111,488	43,298	445	20,413	38,593	813
Expenditures for plant and equipment:						
New plant and equipment.....	\$32,257	\$9,833	\$81	\$7,104	\$7,434	\$101
Construction and major alteration of fixed plants.....	9,216	4,967	28	1,809	1,800	25
Buildings.....	8,085	3,755	26	1,614	1,641	25
Other construction.....	1,151	1,212	2	195	225	
Machinery and equipment.....	23,041	4,866	53	5,285	5,598	76
Production machinery and equipment.....	21,248	3,879	36	5,030	4,674	49
Other machinery and equipment.....	1,793	987	17	355	894	27
Used plant and equipment, and land.....	1,522	807		104	447	
Number of highway-type motor vehicles owned or leased:						
Trucks.....	1,260	734	13	180	785	9
By manufacturer's rated capacity:						
Under 1½ tons.....	307	180	5	51	219	4
1½ tons.....	624	354	8	79	380	3
Over 1½ tons and less than 3½ tons.....	254	165	2	39	143	2
3½ tons and less than 5 tons.....	40	19		6	32	
5 tons and over.....	35	16		5	11	
By body type:						
Van.....	224	249	1	32	306	
Stake or platform.....	672	286	9	08	220	4
Panel or light delivery.....	230	127	3	57	175	2
All other trucks.....	134	72		23	84	3
Truck tractors.....	157	256		20	45	
Trailers and semitrailers.....	165	268		32	54	

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A<sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Wood house furniture, except upholstered:</b>											
Number of establishments.....	2,251	567	319	341	416	243	248	82	27	8	-----
Number of employees (average for the year).....	132,709	1,242	2,137	4,715	13,317	16,974	38,397	27,944	18,453	9,530	-----
Value added by manufacture.....	\$492,738	\$4,693	\$6,741	\$15,418	\$43,788	\$63,273	\$145,845	\$110,404	\$71,134	\$31,542	-----
<b>Household furniture, upholstered:</b>											
Number of establishments.....	1,391	301	275	290	295	133	78	15	3	1	-----
Number of employees (average for the year).....	44,755	744	1,840	3,994	8,959	9,204	12,256	4,425	5,533	( <sup>d</sup> )	-----
Value added by manufacture.....	\$192,430	\$3,324	\$7,512	\$15,941	\$36,303	\$39,183	\$55,230	\$19,070	\$15,867	( <sup>d</sup> )	-----
<b>Reed and rattan furniture:</b>											
Number of establishments.....	29	5	6	8	6	3	1	-----	-----	-----	-----
Number of employees (average for the year).....	771	8	45	115	162	441	( <sup>d</sup> )	-----	-----	-----	-----
Value added by manufacture.....	\$3,607	\$51	\$159	\$405	\$928	\$2,154	( <sup>d</sup> )	-----	-----	-----	-----
<b>Metal house furniture, except upholstered:</b>											
Number of establishments.....	309	61	55	54	62	30	31	9	6	1	-----
Number of employees (average for the year).....	10,485	152	371	774	1,914	2,117	4,950	3,022	6,185	( <sup>d</sup> )	-----
Value added by manufacture.....	\$94,511	\$999	\$1,629	\$3,332	\$9,496	\$10,479	\$23,542	\$15,757	\$29,607	( <sup>d</sup> )	-----
<b>Mattresses and bedsprings:</b>											
Number of establishments.....	879	268	193	160	155	58	25	12	5	2	1
Number of employees (average for the year).....	30,344	622	1,317	2,269	4,887	3,940	3,875	3,503	3,099	( <sup>d</sup> )	6,832
Value added by manufacture.....	\$140,050	\$2,837	\$5,594	\$9,454	\$21,806	\$20,088	\$18,233	\$18,093	\$16,820	( <sup>d</sup> )	\$33,126
<b>Household furniture, n.o.c.:</b>											
Number of establishments.....	21	4	1	5	5	3	3	-----	-----	-----	-----
Number of employees (average for the year).....	882	13	( <sup>d</sup> )	71	143	( <sup>d</sup> )	655	-----	-----	-----	-----
Value added by manufacture.....	\$4,041	\$44	( <sup>d</sup> )	\$223	\$679	( <sup>d</sup> )	\$5,095	-----	-----	-----	-----

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

WOOD HOUSE FURNITURE, EXCEPT UPHOLSTERED, INDUSTRY	Shipped by—			HOUSEHOLD FURNITURE, UPHOLSTERED, INDUSTRY	Shipped by—		
	Wood house furniture, except up- holstered, industry	Other industries	All industries		Household furniture, upholstered, industry	Other industries	All industries
<b>Total shipments by the industry.....</b>	<b>\$905,326</b>			<b>Total shipments by the industry.....</b>	<b>\$381,053</b>		
A. Wood house furniture, except up- holstered.....	839,449	\$52,827	\$892,276	A. Household furniture, upholstered.....	347,575	\$71,551	\$419,126
Living room tables.....	60,079	5,147	74,226	Living room suites.....	174,559	11,882	186,441
Living room cabinets.....	122,293	5,854	128,147	Living room sofas, davenports, etc.....	43,739	5,267	49,006
Other living room furniture, except upholstered.....	57,766	8,997	66,763	Living room chairs, rockers, otto- mans.....	71,639	9,864	81,503
Dining room suites and sets.....	86,174	3,705	89,879	Other household furniture, uphol- stered.....	57,638	44,538	102,176
Other dining room furniture, except upholstered.....	16,039	4,050	22,689	B. Secondary products.....	31,445		
Bedroom suites.....	276,854	4,975	280,829	Living room tables (all types).....	2,591		
Other bedroom furniture, except upholstered.....	60,183	4,016	64,199	Bedroom suites.....	3,939		
Infants' and children's furniture.....	42,708	6,964	49,672	Innerspring mattresses.....	3,939		
Kitchen furniture.....	50,550	3,636	54,186	Other secondary products.....	20,976		
Other household furniture, except upholstered.....	23,374	3,882	27,256	C. Miscellaneous receipts.....	2,033		
Household furniture, except uphol- stered, not reported by kind.....	132,829	1,601	134,430				
B. Secondary products.....	60,903			<b>REED AND RATTAN FURNITURE INDUSTRY</b>			
Metal kitchen furniture.....	11,852				Reed and rattan furniture industry	Other industries	All industries
Upholstered living room suites.....	8,432						
Upholstered chairs, rockers, etc.....	6,052			<b>Total shipments by the industry.....</b>	<b>\$6,393</b>		
Upholstered sofas, davenports, etc.....	3,697			A. Reed and rattan furniture.....	5,076	\$3,056	\$8,132
Other upholstered furniture.....	6,453			B. Secondary products.....	1,317		
C. Miscellaneous receipts.....	4,914						

See footnotes at end of table.





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TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947		1939	PRODUCT	1947		1939
	Total shipments and interplant transfers		Production		Total shipments and interplant transfers		Production
	Quantity (thousands of units)	Value f.o.b. plant	Value		Quantity (thousands of units)	Value f.o.b. plant	Value
Metal house furniture, except upholstered.....		\$218, 223	\$41, 999	Metal house furniture, except upholstered—Continued			
Living room, dining room, bedroom, and infants' and children's furniture.....	n.a.	31, 089	14, 509	Kitchen furniture.....		\$144, 130	\$14, 147
Card tables and chairs (folding and nonfolding).....		7, 800	2, 224	Cabinets.....		77, 013	9, 345
Other living room metal furniture.....		2, 198	2, 068	Breakfast sets, except tubular.....	}	1, 272	876
Dining room and junior dining room furniture.....		1, 322	499	Tubular metal breakfast sets.....		57, 243	
Bedroom furniture.....		10, 769	9, 718	Chairs and stools.....		6, 708	1, 944
Suites and individual pieces, except bedsprings, metal beds, and cots.....		2, 311	1, 071	Tables.....	1, 520	1, 730	
Folding and rollable cots.....		879	7, 783	Other kitchen furniture.....	374	252	
Beds.....		1, 129	0, 675	Other metal house furniture.....	n.a.	43, 004	13, 343
				Porch and lawn furniture.....		17, 699	5, 849
				Suites and sets.....		880	n.a.
			Tables.....	319		276	
			Chairs, rockers, benches, and chaise lounges.....	8, 995		}	1, 962
			Settees.....	792			
			Gliders, swings, and hammocks.....	6, 713			
			Other and metal house furniture, not specified by kind.....			25, 305	7, 494
			Household furniture, n.e.c.....			8, 201	

PRODUCT	1947		1939			
	Quantity (thousands of units)	Value	Total value	Quantity and value reported		Value only reported
				Quantity (thousands of units)	Value	
Mattresses and bedsprings .....		\$267, 693	\$92, 218		\$73, 559	\$18, 659
Hollywood beds .....	190	5, 397	(1)			
Bedsprings .....		75, 130	24, 638	3, 865	18, 291	6, 347
Box springs .....	2, 020	44, 334	7, 010	590	5, 460	1, 550
Coil springs .....	3, 119	27, 634	15, 208	2, 889	11, 539	3, 669
Flat bedsprings .....	466	3, 044	2, 099	386	1, 292	807
Bedsprings, not specified by kind .....	n.a.	118	321			321
Mattresses .....		172, 073	64, 888	7, 080	55, 268	9, 620
Innerspring .....	6, 226	136, 243	47, 416	4, 073	41, 043	6, 373
Foam rubber .....	34	1, 054	17, 472	3, 007	14, 225	3, 247
Mattresses and pads for infants' cribs and baskets .....	1, 637	10, 930				
Other mattresses .....	1, 861	22, 761				
Mattresses, quantity not specified .....	n.a.	1, 085				
Other bedding products, and products not reported by kind .....		15, 093	2, 692			2, 692

(1) Withheld to avoid disclosing figures for individual companies.

n.a.—Not available.

(1) Includes sewing machine cabinets, which cannot be shown separately without disclosing figures for individual companies.

(2) Also includes bunk beds and youth beds.

(3) Includes upholstered wood frame.

(4) Represents only cribs and cradles.

(5) Includes \$22,012,000 for small establishments that were not asked to report a breakdown of total shipments.

(6) Also includes studio-couches, sofa-beds, and other dual purpose furniture.

(7) Included in bedroom furniture; see wood house furniture, except upholstered.

(8) Quantity shipped, 1,200,865 units.

(9) Included in figure above for sofas, davenport, etc.

(10) Includes \$12,420,000 for small establishments that were not asked to report a breakdown of total shipments.

(11) Includes \$4,807,000 for small establishments that were not asked to report a breakdown of total shipments.

(12) Not called for separately; presumably reported under innerspring mattresses and box springs.

(13) Includes \$10,465,000 for small establishments that were not asked to report a breakdown of total shipments.

TABLE 7.—LUMBER, DIMENSION STOCK, AND STEEL CONSUMED IN THE HOUSEHOLD FURNITURE INDUSTRIES: 1947

[Money figures in thousands of dollars]

MATERIAL	Wood house furniture, except upholstered, industry		Household furniture, upholstered, industry		Reed and rattan furniture industry		Metal house furniture, except upholstered, industry		Mattresses and bedsprings industry		Household furniture, n.e.c., industry	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Lumber, total	M ft., b. m.		M ft., b. m.		M ft., b. m.		M ft., b. m.		M ft., b. m.		M ft., b. m.	
Hardwood	1, 244, 027		210, 574				10, 987		21, 637		15, 389	
Softwood	1, 080, 570		193, 821				9, 802		15, 388			
Dimension stock, total	183, 467	n.a.	10, 753	n.a.	599	n.a.	1, 065	n.a.	6, 249	n.a.	15, 389	n.a.
Hardwood	282, 018		63, 412				7, 742		12, 970			
Softwood	234, 647		60, 569				6, 063		8, 824			
Steel, total	47, 471		2, 843				1, 679		4, 146			
Carbon steel, total	33, 278	\$3, 769	8, 053	\$1, 266			249, 417	\$25, 668	136, 626	\$13, 253		
Sheet and strip	21, 636	2, 543					249, 305	25, 655				
All other mill shapes and forms	11, 642	1, 226					198, 039	18, 353	44, 623	4, 509	(1)	(1)
Alloy steel, except stainless							51, 266	7, 302	192, 103	18, 684		
							112	13	(2)	(2)		

n.a.—Not available.

(1) Withheld to avoid disclosing figures for individual companies.

(2) Includes alloy steel, combined with carbon steel to avoid disclosing figures for individual companies.

(3) Quantity used very small; cannot be shown without disclosing figures for individual companies.

## OFFICE, PUBLIC-BUILDING, AND PROFESSIONAL FURNITURE

This report shows 1947 Census of Manufactures statistics for establishments primarily engaged in the production of wood or metal office furniture, public-building furniture, professional furniture, and partitions and fixtures for stores and offices.

These establishments have been classified in five industries described separately below. Two of the industries in this group, Industry 2531, Public-Building and Related Furniture, and Industry 2532, Professional Furniture, show a high percentage of shipments of products of other furniture industries, and also account for a relatively low percentage of total shipments of the products of these industries, the balance being contributed by other furniture industries and to some extent by industries producing allied products (see text on individual industries). This is true also, but to a lesser extent, for Industry 2521, Wood Office Furniture, and Industry 2522, Metal Office Furniture.

**Wood Office Furniture** (*Standard Industrial Classification No. 2521.*)—This industry comprises establishments primarily engaged in manufacturing wood office furniture, whether padded, upholstered, or plain. Establishments producing metal office furniture are classified in Industry 2522, and office fixtures in Industry 2541.

Wood office furniture was not classified as a separate industry in 1939, but the reports for that year have been retabulated to obtain statistics comparable with 1947. Comparable data for years earlier than 1939 are not available.

An appreciable amount of wood office furniture is produced in establishments classified in other industries. The industry itself accounted for about 85 percent of the total 1947 shipments of wood office furniture. Establishments classified in other furniture industries produce items similar to office furniture such as household desks, cabinets, bookcases, etc. Consequently, many of these establishments also produce some items of office furniture.

**Metal Office Furniture** (*Standard Industrial Classification No. 2522.*)—This industry comprises establishments primarily engaged in manufacturing metal office furniture, whether padded, upholstered, or plain. Establishments primarily engaged in manufacturing safes and vaults are classified in Industry 3492, wood office furniture in Industry 2521, and office fixtures in Industry 2541.

General statistics for metal office furniture manufacturers were not shown separately for 1939, but the reports for that year have been retabulated to obtain statistics comparable with 1947. Comparable data for years earlier than 1939 are not available.

Metal office furniture accounted for about 85 percent of the 1947 shipments of plants classified in this industry. The balance of the industry's shipments consisted primarily of furniture classified in other furniture industries. Approximately 8 percent of the total shipments of products classified in this industry were made in other industries.

**Public-Building and Related Furniture** (*Standard Industrial Classification No. 2531.*)—This industry comprises establishments primarily engaged in manufacturing furniture for schools, theaters, assembly halls, churches, and libraries, and in manufacturing seats for public conveyances. Establishments primarily engaged in manufacturing stone

furniture are classified in Industry 3281 and concrete furniture in Industry 3271.

Establishments classified in this industry shipped a considerable amount of products of other industries, and conversely, establishments classified in other industries shipped almost a like amount of products of this industry. Of the total 1947 shipments of public-building furniture, \$64,077,000, about one-fourth, was shipped from establishments outside the industry. About one-fourth of the shipments of plants in the industry consisted of products of other industries.

**Professional Furniture** (*Standard Industrial Classification No. 2532.*)—This industry comprises establishments primarily engaged in manufacturing furniture especially designed for laboratory, hospital, and other professional uses, such as laboratory work tables, operating tables, and hospital beds. Establishments primarily engaged in manufacturing furniture and equipment especially designed for use in beauty and barber shops are classified in Industry 3991. The Standard Industrial Classification definition given above was amended for the 1947 Census of Manufactures to include in the Professional Furniture Industry all furniture designed especially for beauty and barber shops, such as manicure tables, dresserettes, etc. Equipment for beauty and barber shops such as hydraulic chairs, hair dryers, permanent waving equipment, etc., remains classified in Industry 3991.

Establishments in this industry accounted for only 64 percent of the total 1947 shipments of professional furniture, the balance being accounted for principally by shipments of hospital beds and bedsprings from Industry 2515, Mattresses and Bedsprings; hospital furniture from Industry 3842, Surgical and Orthopedic Appliances and Supplies; and Personal Safety Devices, Not Elsewhere Classified; and beauty and barber shop furniture from Industry 3991, Beauty-Shop and Barber-Shop Equipment. On the other hand, shipments of products classified in other industries accounted for 35 percent of the total shipments of establishments classified in this industry. These products consisted mainly of office furniture, household furniture, and other furniture.

**Partitions and Fixtures** (*Full Standard Industrial Classification title and number: Partitions, Shelving, Lockers, and Office and Store Fixtures, 2541.*)—This industry comprises establishments primarily engaged in manufacturing from wood, metal, or other materials, prefabricated partitions, shelving, cabinets, show and display cases, office and store fixtures, and related fabricated products including bar fixtures, telephone booths, butchers' fixtures, lockers, display racks and stands, and store and lunchroom window-backs. Establishments primarily engaged in manufacturing refrigerated cabinets, showcases and display cases, are classified in Industry 3585, and safes and vaults in Industry 3492.

The 1939 general statistics shown in table 1 include data for some establishments that were primarily engaged in producing restaurant furniture. In 1939 restaurant furniture was not classified as a separate industry, but was included in the statistics for office furniture. These latter data were retabulated for comparability with the 1947 statistics on office furniture. It was evident that, due to reporting difficulties, most of the establishments producing restaurant furniture had been classified in the 1939 Partitions and Fixtures Industry, and these establishments could not be identified with certainty. Therefore, the 1939 data for partitions and fixtures contain what is believed to be a relatively small percentage of value not properly classifiable therein, and 1939 data for restaurant furniture will not be available.

Table 5 shows a considerable value for partitions and fixtures not specified by kind. There are two reasons for this. Many establishments could not report the detail asked for and consequently supplied figures for groups of individual items or only one figure for all items. Secondly, many small establishments were not asked for a detailed breakdown of their shipments, but only for total shipments. These latter plants accounted for over \$17,000,000 of the total of almost \$41,000,000 shown for unclassified products.

The industry shipped a considerable amount of secondary

products, which consisted primarily of other furniture. Other industries accounted for approximately 10 percent of total shipments of partitions and fixtures. These industries were for the most part, in the furniture group.

Information was collected on the consumption of lumber, small dimension stock, and steel in the furniture industries. These data appear in table 7. Similar information will be shown for other furniture industries published in the following reports: MC25A, "Household furniture" and MC25C, "Screens, shades, and miscellaneous furniture."

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total			
<b>Wood office furniture:</b>								
1947.....	115	6,601	\$17,211	5,897	\$14,152	\$26,839	\$21,679	\$48,518
1939 <sup>3</sup> .....	64	n. a.	n. a.	4,013	3,603	7,327	5,949	13,276
<b>Metal office furniture:</b>								
1947.....	103	14,601	42,623	12,087	32,976	80,872	47,522	128,394
1939 <sup>3</sup> .....	63	n. a.	n. a.	7,152	9,341	23,075	15,407	38,483
<b>Public-building furniture:</b>								
1947.....	118	8,855	24,710	7,402	18,716	37,632	27,744	65,376
1939 <sup>3</sup> .....	106	7,062	9,058	5,900	6,568	15,241	11,438	26,679
1937 <sup>4</sup> .....	79	n. a.	n. a.	6,450	7,451	16,488	12,542	29,030
<b>Professional furniture:</b>								
1947.....	77	5,555	16,441	4,514	11,784	27,466	17,135	44,601
1939 <sup>3</sup> .....	73	n. a.	n. a.	2,815	3,182	7,933	6,064	13,997
1937 <sup>4</sup> .....	70	n. a.	n. a.	3,256	4,046	9,485	6,782	16,267
<b>Partitions and fixtures:</b>								
1947.....	1,134	27,078	88,632	23,783	69,953	136,843	107,575	244,418
1939 <sup>3</sup> .....	787	n. a.	n. a.	14,911	19,036	43,857	33,087	76,944
1937 <sup>4</sup> .....	680	n. a.	n. a.	15,237	19,875	42,218	32,567	74,785

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>2</sup> For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.

<sup>3</sup> The returns for 1939 have been retabulated on the basis of 1947 industry classifications. However, the 1939 figures for "Wood office furniture," "Metal office furniture," and "Partitions and fixtures" are not entirely comparable with the 1947 figures because they include data for establishments primarily engaged in the manufacture of restaurant furniture. These establishments could not be specifically identified from the 1939 census returns. Separate figures are not available prior to 1939 for "Wood office furniture" and "Metal office furniture." For "Partitions and fixtures," value added for 1939, before retabulation and on a basis comparable with 1937, was \$40.2 million.

<sup>4</sup> "Public-building furniture," "Professional furniture," and "Partitions and fixtures" were formerly included in the discontinued classification "Furniture, including store and office fixtures." Separate figures for each are therefore not available for years prior to 1937.

<sup>5</sup> Revised.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Wood office furniture, total<sup>1</sup></b>	115	6,601	\$17,211	5,897	12,872	\$14,152	\$26,839	\$21,679	\$48,518	\$1,544
Northeast.....	47	2,493	6,641	2,230	4,770	5,555	9,927	6,769	16,696	487
Massachusetts.....	3	164	427	151	325	344	499	310	809	6
New York.....	32	1,818	5,330	1,595	3,437	4,430	8,191	5,194	13,385	428
Pennsylvania.....	9	442	696	424	891	636	991	993	1,984	(d)
North Central.....	37	2,831	7,844	2,502	5,622	6,343	13,188	10,865	24,053	514
Indiana.....	11	1,176	3,052	1,058	2,394	2,581	6,047	5,117	11,164	282
Illinois.....	11	581	1,556	522	1,078	1,310	2,558	1,480	4,068	(d)
Michigan.....	6	422	1,239	370	840	962	1,693	1,401	3,094	66
South and West.....	31	1,277	2,726	1,165	2,480	2,254	3,724	4,045	7,769	543
North Carolina.....	5	814	1,633	752	1,674	1,370	2,427	2,816	5,243	309
California.....	12	100	486	139	267	367	630	473	1,103	122
<b>Metal office furniture, total<sup>1</sup></b>	103	14,691	42,623	12,087	24,563	32,976	80,872	47,522	128,394	4,195
Northeast.....	42	5,288	14,570	4,434	9,552	11,676	31,189	16,885	48,071	1,187
New York.....	27	3,886	10,418	3,282	7,052	8,452	24,655	11,371	36,026	735
Pennsylvania.....	9	823	2,370	689	1,441	1,839	3,786	3,016	6,802	(d)
North Central.....	50	9,166	27,388	7,459	14,626	20,864	48,555	29,670	78,225	2,932
Ohio.....	11	5,951	17,528	4,715	9,435	13,268	29,150	17,463	46,613	1,248
Illinois.....	10	1,052	2,988	894	1,839	2,287	6,831	3,580	9,411	(d)
Michigan.....	10	1,457	5,076	1,269	2,257	4,044	9,716	6,148	15,864	378
Missouri.....	5	259	546	192	274	299	1,328	814	2,142	14
South and West.....	11	237	665	194	385	436	1,131	997	2,098	76

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Public-building furniture, total <sup>1</sup></b>	118	8,855	\$24,710	7,402	15,603	\$18,716	\$37,632	\$27,744	\$65,376	\$1,379
Northeast	35	2,943	8,576	2,421	5,208	6,513	15,241	7,189	22,430	511
New York	12	235	857	209	433	670	1,405	1,016	2,421	34
East North Central	47	4,559	13,076	3,779	7,845	9,875	18,483	17,500	35,983	647
Ohio	12	357	974	309	665	752	1,434	1,889	3,323	109
Illinois	15	1,408	4,187	1,206	2,462	3,199	6,320	6,321	12,641	158
West North Central	6	122	258	106	233	204	202	412	704	7
South and West	30	1,231	2,800	1,096	2,317	2,124	3,610	2,043	0,250	214
California	11	200	637	163	333	478	701	637	1,838	40
<b>Professional furniture, total <sup>1</sup></b>	77	5,555	16,441	4,514	9,907	11,784	27,466	17,135	44,601	1,064
New England	5	67	172	51	118	135	264	155	410	5
Middle Atlantic	25	1,663	5,474	1,424	3,187	4,115	8,399	4,920	13,819	189
New York	17	713	2,236	610	1,414	1,749	3,528	2,596	6,124	115
East North Central	29	3,257	9,300	2,564	5,655	6,462	16,128	10,734	26,862	576
Ohio	7	236	711	208	461	561	841	729	1,670	42
Illinois	9	128	359	103	212	201	629	420	1,049	41
West North Central	5	371	974	307	663	686	1,519	900	2,428	(1)
South and West	13	197	521	188	284	386	1,156	417	1,573	(4)
California	8	159	428	136	220	317	1,046	223	1,260	1
<b>Partitions and fixtures, total <sup>1</sup></b>	1,134	27,678	88,632	23,783	50,956	69,953	136,843	107,575	244,418	5,403
New England	89	1,761	5,295	1,461	3,254	3,867	7,098	5,408	12,506	300
Massachusetts	55	900	2,769	747	1,612	2,048	3,820	2,867	6,687	130
Rhode Island	8	255	805	195	469	510	808	1,075	1,973	14
Connecticut	16	285	855	241	561	656	1,299	527	1,826	38
Middle Atlantic	374	6,954	24,787	5,864	12,620	19,795	36,300	20,320	65,710	1,155
New York	277	4,937	19,086	4,174	9,142	15,108	28,134	22,316	50,450	862
New Jersey	45	633	1,743	496	1,000	1,468	2,311	2,214	4,525	124
Pennsylvania	52	1,384	3,958	1,194	2,478	3,219	5,945	4,700	10,744	169
East North Central	230	10,244	32,361	8,899	19,196	25,385	53,618	43,147	96,785	1,875
Ohio	51	4,612	15,186	3,960	8,445	11,997	23,132	21,705	44,927	938
Indiana	22	497	1,263	433	911	1,073	2,317	1,770	4,087	42
Illinois	63	3,002	9,373	2,637	5,640	7,214	17,208	12,104	29,402	788
Michigan	50	1,057	5,227	1,453	3,405	4,157	8,775	6,036	14,811	257
Wisconsin	24	476	1,312	416	895	1,044	2,126	1,352	3,478	150
West North Central	93	2,416	7,070	2,073	4,485	5,288	10,067	8,258	18,325	433
Minnesota	21	401	1,311	347	831	1,011	1,956	1,276	3,232	60
Iowa	9	293	925	243	529	581	1,579	1,948	3,527	68
Missouri	44	1,191	3,549	1,024	2,087	2,730	4,598	3,253	7,851	222
Nebraska	7	407	970	340	797	742	1,462	1,357	2,810	77
South Atlantic	78	1,335	3,616	1,145	2,537	2,752	5,369	3,093	0,362	288
Maryland	15	109	289	95	200	243	476	325	801	3
Virginia	9	200	621	157	341	424	820	528	1,357	94
North Carolina	11	339	1,015	277	708	691	1,605	995	2,090	7
Georgia	12	207	492	188	406	372	755	600	1,364	52
Florida	17	266	713	247	483	654	970	1,010	1,908	57
East South Central	23	491	1,108	412	852	852	1,700	1,344	3,143	169
Kentucky	10	219	525	184	350	404	859	783	1,042	141
West South Central	50	959	2,406	841	1,650	1,945	3,732	3,678	7,410	105
Texas	37	770	2,052	675	1,287	1,596	2,967	3,148	0,115	174
Mountain	26	517	1,337	435	883	974	1,635	1,718	3,353	118
Colorado	12	294	631	253	477	462	960	831	1,791	50
Pacific	171	3,001	10,562	2,653	5,479	9,095	17,135	10,700	27,835	870
Washington	20	176	577	160	305	509	795	616	1,411	24
Oregon	17	365	1,243	323	649	1,050	2,045	1,027	3,072	30
California	134	2,460	8,742	2,170	4,525	7,527	14,295	9,057	23,352	807

<sup>1</sup> Withheld to avoid disclosing figures for individual companies.<sup>2</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.**Wood office furniture:** Northeast, Connecticut, 1; New Jersey, 2; North Central, Ohio, 3 (315); Wisconsin, 1; Iowa, 1; Missouri, 4; South and West, Georgia, 1; Kentucky, 1; Tennessee, 1; Alabama, 1; Mississippi, 1; Oklahoma, 1; Texas, 5 (85); Colorado, 1; Washington, 2.**Metal office furniture:** Northeast, Massachusetts, 2; New Jersey, 4; North Central, Indiana, 2; Wisconsin, 3 (156); Minnesota, 6 (65); Nebraska, 1; Kansas, 2; South and West, Maryland, 1; Virginia, 1; Georgia, 1; Texas, 1; California, 7 (96).**Public-building furniture:** Northeast, Maine, 1; Vermont, 1; Massachusetts, 6 (1,534); Connecticut, 2; New Jersey, 3 (93); Pennsylvania, 10 (387); East North Central, Indiana, 6 (449); Michigan, 6 (1,893); Wisconsin, 8 (454); West North Central, Minnesota, 2; Missouri, 3 (37); Kansas, 1; South and West, Maryland, 1; Virginia, 2; West Virginia, 2; North Carolina, 3 (428); Kentucky, 1; Tennessee, 1; Alabama, 2; Mississippi, 1; Arkansas, 1; Texas, 3 (294); Washington, 1; Oregon, 1.**Professional furniture:** New England, Massachusetts, 4; Connecticut, 1; Middle Atlantic, New Jersey, 4 (610); Pennsylvania, 4 (340); East North Central, Indiana, 6; Michigan, 6 (1,119); Wisconsin, 1; West North Central, Missouri, 4; Kansas, 1; South and West, Maryland, 1; North Carolina, 1; Texas, 1; Washington, 1; Oregon, 1.**Partitions and fixtures:** New England, Maine, 3; New Hampshire, 5 (161); Vermont, 2; West North Central, North Dakota, 1; Kansas, 11; South Atlantic, Delaware, 2; District of Columbia, 5 (79); West Virginia, 4 (84); South Carolina, 3; East South Central, Tennessee, 5; Alabama, 6 (95); Mississippi, 2; West South Central, Arkansas, 3 (39); Louisiana, 6 (99); Oklahoma, 4 (51); Mountain, Montana, 2; Idaho, 2; New Mexico, 1; Arizona, 4 (49); Utah, 5 (92).

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947  
 [Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry					ITEM	Industry				
	Wood office furniture	Metal office furniture	Public-building furniture	Professional furniture	Partitions and fixtures		Wood office furniture	Metal office furniture	Public-building furniture	Professional furniture	Partitions and fixtures
ALL ESTABLISHMENTS						ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued					
Number of establishments.....	115	103	118	77	1,134	Cost of materials, fuel, electricity, and contract work.....	\$21,679	\$47,522	\$27,744	\$17,135	\$98,819
All employees:						Materials, parts, containers, and supplies.....	20,989	46,150	26,704	16,566	95,255
Number (average for the year).....	6,601	14,691	8,855	5,555	27,678	Fuels, total.....	301	617	403	223	759
Salaries and wages, total.....	\$17,211	\$42,623	\$24,710	\$16,441	\$88,632	Bituminous coal.....	285	300	322	95	370
Production and related workers:						Anthracite.....	1	5	7	11	28
Number (average for the year).....	5,807	12,087	7,402	4,514	23,783	Coke.....	12	151	22	62	121
Man-hours, total..... thousands.....	12,872	24,563	15,603	9,907	50,956	Gas.....	3	160	52	35	205
Wages, total.....	\$14,152	\$32,976	\$18,716	\$11,784	\$69,953	Other fuels.....	259	544	306	195	1,024
Value added by manufacture.....	\$26,839	\$80,872	\$37,632	\$27,466	\$130,843	Purchased electric energy.....	130	211	331	211	1,781
ESTABLISHMENTS REPORTING DETAILED STATISTICS						Contract and commission work.....					
Number of establishments.....	115	103	118	77	700	Value of inventories:					
All employees:						Beginning of year, total.....	\$7,131	\$18,220	\$12,392	\$6,672	\$28,384
Number (average for the year).....	6,601	14,691	8,855	5,555	25,391	Finished products.....	766	3,573	1,149	872	6,767
Salaries and wages, total.....	\$17,211	\$42,623	\$24,710	\$16,441	\$81,797	Materials, supplies, and work in process.....	6,365	14,647	11,243	5,800	21,617
Production and related workers:						End of year, total.....	8,258	23,202	13,354	8,204	32,158
Number (average for the year).....	5,807	12,087	7,402	4,514	21,653	Finished products.....	981	5,940	1,744	1,166	8,305
Man-hours, total..... thousands.....	12,872	24,563	15,603	9,907	46,670	Materials, supplies, and work in process.....	7,277	17,262	11,610	7,038	23,853
Wages, total.....	\$14,152	\$32,976	\$18,716	\$11,784	\$63,565	Expenditures for plant and equipment:					
Value added by manufacture.....	\$26,839	\$80,872	\$37,632	\$27,466	\$128,228	New plant and equipment.....	\$1,544	\$4,195	\$1,379	\$1,064	\$5,403
Number of employees for pay period ended nearest Oct. 15:						Construction and major alteration of fixed plants.....	691	1,882	355	535	2,550
All employees.....	6,643	15,031	8,908	5,697	26,167	Buildings.....	660	1,849	345	528	2,228
Male.....	5,986	13,143	7,424	4,934	24,359	Other construction.....	31	33	10	7	322
Female.....	657	1,888	1,484	763	1,778	Machinery and equipment.....	853	2,313	1,024	529	2,853
Production and related workers.....	5,936	12,373	7,440	4,605	22,295	Production machinery and equipment.....	742	2,142	863	440	2,286
Male.....	5,625	11,567	6,458	4,210	21,469	Other machinery and equipment.....	111	171	161	89	587
Female.....	411	806	982	395	826	Used plant and equipment, and land.....	225	213	36	12	482
Force-account construction workers.....			10	3	51	Number of highway-type motor vehicles owned or leased:					
Administrative, supervisory, sales, and all other.....	707	2,058	1,458	1,089	3,821	Trucks.....	66	59	88	35	536
Male.....	461	1,576	957	721	2,870	By manufacturer's rated capacity:					
Female.....	246	1,082	501	368	951	Under 1½ tons.....	24	11	21	13	213
All employees, number by month:						1½ tons.....	32	22	40	15	224
January.....	6,491	14,550	8,988	5,477	24,854	Over 1½ tons and less than 3½ tons.....	9	21	17	5	82
February.....	6,521	14,769	9,075	5,587	24,881	3½ tons.....	1	3	5	7	7
March.....	6,557	14,910	9,222	5,599	25,030	3½ tons and less than 5 tons.....	1	3	5	2	10
April.....	6,570	14,900	8,828	5,485	24,595	5 tons and over.....		2	5		
May.....	6,595	14,120	8,086	5,399	24,716	By body type:					
June.....	6,564	14,847	8,670	5,420	25,150	Van.....	8	17	16	5	54
July.....	6,322	13,937	8,448	5,432	25,362	Stake or platform.....	36	21	48	14	284
August.....	6,582	14,006	8,945	5,543	25,242	Panel or light delivery.....	14	16	15	9	140
September.....	6,554	14,050	8,940	5,533	25,913	All other trucks.....	8	5	6	7	58
October.....	6,643	15,031	8,908	5,697	26,167	Truck tractors.....	3	13	19	10	17
November.....	6,858	14,053	8,853	5,746	26,289	Trailers and semitrailers.....	3	14	21	9	20
December.....	6,865	15,133	8,896	5,720	26,176						

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>d</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Wood office furniture:											
Number of establishments.....	115	20	15	23	23	6	23	4	1		
Number of employees (average for the year).....	6,601	40	98	333	693	467	3,280	1,690	( <sup>d</sup> )		
Value added by manufacture.....	\$26,839	\$182	\$364	\$1,374	\$2,437	\$1,627	\$13,719	\$7,136	( <sup>d</sup> )		
Metal office furniture:											
Number of establishments.....	103	10	18	15	26	11	8	8	5	1	1
Number of employees (average for the year).....	14,691	27	114	195	816	885	1,218	3,084	8,362	( <sup>d</sup> )	( <sup>d</sup> )
Value added by manufacture.....	\$80,872	\$166	\$371	\$776	\$3,960	\$3,809	\$8,313	\$14,625	\$48,862	( <sup>d</sup> )	( <sup>d</sup> )
Public-building furniture:											
Number of establishments.....	118	17	22	21	26	15	12	1	2	2	
Number of employees (average for the year).....	8,855	42	149	290	841	983	1,818	4,752	( <sup>d</sup> )	( <sup>d</sup> )	
Value added by manufacture.....	\$37,632	\$120	\$404	\$1,147	\$2,781	\$3,813	\$7,612	\$21,715	( <sup>d</sup> )	( <sup>d</sup> )	
Professional furniture:											
Number of establishments.....	77	17	13	11	13	12	6	3	1	1	
Number of employees (average for the year).....	5,555	35	92	156	391	910	980	2,991	( <sup>d</sup> )	( <sup>d</sup> )	
Value added by manufacture.....	\$27,466	\$153	\$301	\$568	\$1,675	\$4,157	\$4,294	\$16,318	( <sup>d</sup> )	( <sup>d</sup> )	
Partitions and fixtures:											
Number of establishments.....	1,134	345	245	228	184	97	27	4	2	2	
Number of employees (average for the year).....	27,678	770	1,647	3,192	5,786	6,635	4,153	1,254	( <sup>d</sup> )	4,241	
Value added by manufacture.....	\$130,843	\$3,957	\$7,462	\$14,815	\$27,500	\$31,654	\$21,761	\$6,834	( <sup>d</sup> )	\$22,860	

## CENSUS OF MANUFACTURES: 1947

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

WOOD OFFICE FURNITURE INDUSTRY	Shipped by—		
	Wood office furniture industry	Other industries	All industries
Total shipments by the industry.....	\$48,518		\$55,343
A. Wood office furniture.....	44,667	\$10,676	\$55,343
Chairs, stools, couches, etc.....	17,043	2,644	19,687
Desks.....	20,346	864	21,210
Cabinets and cases.....	2,763	2,534	5,297
Other and office furniture, not specified by kind.....	4,515	4,634	9,149
B. Secondary products.....	3,504		
C. Miscellaneous receipts.....	287		

  

PUBLIC-BUILDING FURNITURE INDUSTRY	Shipped by—		
	Public-building furniture industry	Other industries	All industries
Total shipments by the industry.....	\$65,376		\$64,077
A. Public-building furniture.....	48,274	\$15,803	\$64,077
B. Secondary products.....	16,368		
C. Miscellaneous receipts.....	734		

  

PROFESSIONAL FURNITURE INDUSTRY	Shipped by—		
	Professional furniture industry	Other industries	All industries
Total shipments by the industry.....	\$44,601		\$44,820
A. Professional furniture.....	28,742	\$16,078	\$44,820
B. Secondary products.....	15,537		
C. Miscellaneous receipts.....	322		

  

METAL OFFICE FURNITURE INDUSTRY	Shipped by—		
	Metal office furniture industry	Other industries	All industries
Total shipments by the industry.....	\$128,394		\$120,387
A. Metal office furniture.....	110,536	\$9,851	\$120,387
Chairs, stools, couches, etc.....	14,272	2,415	16,687
Desks.....	14,068	41	14,109
Cabinets and cases.....	71,494	5,281	76,775
Other and office furniture, not specified by kind.....	10,702	2,114	12,816
B. Secondary products.....	16,628		
C. Miscellaneous receipts.....	1,230		

  

PARTITIONS AND FIXTURES INDUSTRY	Shipped by—		
	Partitions and fixtures industry	Other industries	All industries
Total shipments by the industry.....	\$244,418		\$239,100
A. Partitions and fixtures.....	212,643	\$26,457	\$239,100
Partitions, shelving, and lockers.....	53,691	8,417	62,108
Cases, cabinets, counters, and other fixtures.....	117,989	14,072	132,061
Other and fixtures, not specified by kind.....	40,963	3,068	44,031
B. Secondary products.....	29,479		
Office cabinets and cases.....	2,765		
Restaurant furniture.....	1,984		
Other secondary products.....	24,730		
C. Miscellaneous receipts.....	2,296		
Contract and commission work.....	1,291		
Other receipts.....	1,005		

TABLE 6.—VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947	1939	PRODUCT	1947	1939
	Shipments and interplant transfers	Production		Shipments and interplant transfers	Production
Wood office furniture, total.....	\$55,343	\$16,754	Metal office furniture, total.....	\$120,387	\$31,580
Chairs, stools, sofas, couches, settees, etc.....	19,687	n.a.	Chairs, stools, sofas, couches, settees, etc.....	16,687	n.a.
Chairs and stools.....	17,436	7,009	Chairs and stools.....	15,577	4,440
Sofas, couches, settees, etc.....	2,251	( <sup>1</sup> )	Sofas, couches, settees, etc.....	1,110	( <sup>1</sup> )
Desks.....	21,210	6,404	Desks.....	14,109	4,504
Executive type.....	15,002	n.a.	Executive type.....	10,860	n.a.
Stenographer type.....	6,208	n.a.	Stenographer type.....	3,249	n.a.
Cabinets and cases.....	5,297	1,444	Cabinets and cases.....	76,775	19,174
Filing.....	3,278	n.a.	Filing.....	70,681	n.a.
Other.....	2,019	n.a.	Other.....	6,094	n.a.
Other office furniture.....	7,069	n.a.	Other office furniture.....	7,567	n.a.
Tables and stands.....	4,041	n.a.	Tables and stands.....	5,209	n.a.
Miscellaneous office furniture.....	3,028		Miscellaneous office furniture.....	2,358	
Office furniture, not specified by kind.....	2,080	1,837	Office furniture, not specified by kind.....	5,249	3,462

PRODUCT	1947			1939		
	Shipments and interplant transfers			Production		
	Total	Wood	Metal	Total	Wood	Metal
Public-building and related furniture, total.....	\$64,077	\$19,407	\$44,670	\$29,425	\$16,119	\$13,306
Public-building furniture.....	34,835	12,622	22,213	18,702	11,043	7,149
School furniture.....	12,279	5,278	7,001	n.a.	n.a.	n.a.
Desks and desk-seat combinations.....	4,949	933	4,016	3,752	1,872	1,880
Tablet-arm chairs.....	2,114	1,190	924	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other chairs, benches, and stools.....	2,260	1,017	1,243	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other school furniture.....	2,956	2,138	818			
Other public-building furniture.....	22,556	7,344	15,212	n.a.	n.a.	n.a.
Church pews.....	2,381	2,381		1,509	1,509	( <sup>1</sup> )
Other church furniture.....	2,032	2,032				
Chairs and seats.....	15,625	1,237	14,388	13,471	8,202	5,269
Theatre and auditorium.....	13,626					
Ganged chairs.....	9,336					
Single chairs.....	4,290	( <sup>1</sup> )	( <sup>1</sup> )	n.a.	n.a.	n.a.
Outdoor stadium and grandstand.....	1,999					
Ganged chairs and seats.....	1,654					
Single chairs and seats.....	345					
Miscellaneous public-building furniture.....	2,518	1,804	824	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Seats for public conveyances.....	23,324	867	22,457	4,403	153	4,250
Public-building and related furniture, not specified by kind.....	6,918	5,918	( <sup>1</sup> )	6,230	4,323	1,907

See footnotes at end of table.

TABLE 6.—VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947				1939		
	Shipments and interplant transfers				Production		
	Total	Wood	Metal	Material not specified	Total	Wood	Metal
Professional furniture, total	\$44,820	\$12,184	\$24,900	\$7,736	\$13,877	\$6,152	\$7,725
Barber shop and beauty parlor furniture	4,790	2,592	858	1,340	4,164	2,304	1,860
Hospital furniture	19,063	1,814	13,922	3,327	4,174	976	3,198
Beds	1,970	( <sup>d</sup> )	<sup>9</sup> 1,970		917	294	623
Bedsprings	1,979		1,979				
Other hospital furniture	15,114	1,814	9,973	3,327	3,257	682	2,575
Laboratory furniture	10,187	6,985	9,202	( <sup>d</sup> )	3,892	1,943	1,949
Cabinets and cases	11,402	5,777	<sup>10</sup> 5,625	( <sup>d</sup> )	321		
Other laboratory furniture	4,785	1,208	<sup>10</sup> 3,577	( <sup>d</sup> )	3,571	1,943	1,949
Professional furniture, not specified by kind	4,780	793	918	3,069	1,647	929	718
Partitions and fixtures, total	239,100	132,347	74,188	32,565	68,539	42,134	26,405
Partitions, shelving, and lockers	62,108	12,744	48,162	1,202			
Partitions	22,289	5,060	16,529	700	<sup>11</sup> 46,573	<sup>11</sup> 34,318	<sup>11</sup> 12,255
Shelving	28,394	6,654	21,238	502	8,082	693	7,389
Lockers	11,425	1,030	10,395		4,717	25	4,692
Cases, cabinets, counters, and other fixtures	132,901	99,383	23,045	10,533			
Show and display cases and tables	61,281	52,345	3,552	5,384			
Cabinets	18,620	12,118	5,181	1,327			
Counters	14,289	12,684	730	875	( <sup>12</sup> )	( <sup>12</sup> )	( <sup>12</sup> )
Other furniture and fixtures and cases, cabinets, etc., not reported separately	38,765	22,236	13,582	2,947			
Partitions and fixtures, not reported by kind	44,031	20,220	2,981	20,830	9,167	7,098	2,069

n. a.—Not available.

<sup>a</sup> Withheld to avoid disclosing figures for individual companies.<sup>1</sup> Included in "Miscellaneous office furniture."<sup>2</sup> Also includes "Tables and stands."<sup>3</sup> Includes "Cabinets and cases," not further classified.<sup>4</sup> Included in "Public-building and related furniture, not specified by kind."<sup>5</sup> Includes only "Church pews and pulpits"; other church furniture is included in "public-building and related furniture, not specified by kind."<sup>6</sup> Included in "Wood."<sup>7</sup> Includes all chairs, both public-building and outdoor stadium and grandstand.<sup>8</sup> All unspecified public-building and related furniture is included in wood, regardless of material used, to avoid disclosing figures for individual companies.<sup>9</sup> Includes wood beds, combined with metal to avoid disclosing figures for individual companies.<sup>10</sup> Includes a small amount for which material was not specified.<sup>11</sup> Includes partitions, cases, cabinets, counters, telephone booths, and other fixtures.<sup>12</sup> Included in figures above for "Partitions."

TABLE 7.—LUMBER, DIMENSION STOCK, AND STEEL CONSUMED: 1947

(Money figures in thousands of dollars)

MATERIAL	Wood office furniture industry		Metal office furniture industry		Public-building furniture industry		Professional furniture industry		Partitions and fixtures industry	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	(M ft. b.m.)		(M ft. b.m.)		(M ft. b.m.)		(M ft. b.m.)		(M ft. b.m.)	
Lumber, total	57,651		21,916		30,190		19,182		290,676	
Hardwood	51,594		( <sup>d</sup> )		27,982		17,641		128,099	
Softwood	6,057		( <sup>d</sup> )		2,208		1,541		162,577	
		n.a.		n.a.		n.a.		n.a.		n.a.
Dimension stock, total	7,910		( <sup>1</sup> )		6,545		( <sup>1</sup> )		30,881	
Hardwood	7,677		( <sup>1</sup> )		( <sup>d</sup> )				10,538	
Softwood	233		( <sup>d</sup> )		( <sup>d</sup> )				20,343	
	(short tons)		(short tons)		(short tons)		(short tons)		(short tons)	
Steel	1,003	\$197	261,774	\$19,257	29,851	\$3,711	25,509	\$3,213	255,648	\$19,732
Carbon steel	1,003	197	261,774	19,257	n. a.	n. a.	n. a.	n. a.	255,146	19,671
Sheet and strip	( <sup>d</sup> )	( <sup>d</sup> )	257,012	18,643	20,153	2,384	14,317	1,842	241,514	18,398
All other mill shapes and forms	( <sup>d</sup> )	( <sup>d</sup> )	4,162	614	<sup>2</sup> 9,698	<sup>2</sup> 1,327	<sup>2</sup> 11,192	<sup>2</sup> 1,371	13,632	1,273
Alloy steel, except stainless									502	61

n. a.—Not available.

<sup>a</sup> Withheld to avoid disclosing figures for individual companies.<sup>1</sup> Dimension stock combined with lumber to avoid disclosing figures for alloy steel, except stainless.<sup>2</sup> Combined to avoid disclosing figures for individual companies for alloy steel, except stainless.



## SCREENS, SHADES, AND MISCELLANEOUS FURNITURE

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of window and door screens, storm sash, combination screen and storm sash and doors, weatherstrip, window shades, venetian blinds, restaurant furniture, and miscellaneous furniture and fixtures. These establishments have been classified in five industries described separately below.

In the 1947 Census of Manufactures, information was collected on lumber, dimension stock, and steel used in the manufacture of furniture. These statistics are shown in table 7 for the restaurant furniture industry and miscellaneous furniture and fixtures.

**Window and Door Screens** (*Full Standard Industrial Classification title and number: Window and Door Screens and Weatherstrip, 2561.*)—This industry comprises establishments primarily engaged in manufacturing window and door screens, (also storm sash and combination screen and storm sash and doors), and weatherstrip, regardless of the materials used. Establishments primarily engaged in manufacturing wire screening are classified in Industry 3489. Detailed comparable statistics for 1939 are not available for this industry. Combination screen and storm doors and sash, and storm sash were classified as millwork products in 1939, but were not separated from conventional doors and sash in that year. Therefore, it is impossible to show 1939 statistics for these items.

Approximately 86 percent of the total shipments of products classified in this industry were made by establishments classified in other industries, particularly the millwork industry. That industry shipped a considerable volume of wood screen doors and window screens, as well as wood combination screen and storm doors and sash, and storm sash. The millwork industry accounted for more than half of the total 1947 shipments of wood screen doors and window screens, and about a third of the total for wood combination screen and storm sash and doors and storm sash.

**Window Shades** (*Standard Industrial Classification No. 2562.*)—This industry comprises establishments primarily engaged in manufacturing complete window shades, window-shade rollers and fittings, and curtain rods and fixtures, regardless of the materials used.

Establishments classified in this industry reported on a simplified form, which did not list any specified products. Therefore, only total shipments of window shades and accessories are available. Almost a third of the total shipments of establishments classified in this industry represented products classified in other industries. These consisted primarily of venetian blinds and paper products.

**Venetian Blinds** (*Standard Industrial Classification No. 2563.*)—This industry comprises establishments primarily engaged in manufacturing venetian blinds regardless of the materials used. Establishments primarily engaged in manufacturing porch shades (except canvas shades and awnings—Industry 2394) are also included in this industry.

Establishments were asked to report both the number of blinds and square footage of blinds as well as value. In some cases it was necessary to estimate quantities for each type of blind, but this estimate exceeded 10 percent of the quantity shown only in the case of wood-slat blinds where the proportion estimated was between 15 and 20 percent. For 1939, the only quantity figures collected were number of blinds. In 1939 only two classifications of blinds were used—wood-slat and other. Therefore, comparable figures for steel and aluminum are not available. It is likely that the great majority of blinds reported in 1939, under the heading "Other," are metal-slat blinds.

**Restaurant Furniture** (*Standard Industrial Classification No. 2591.*)—This industry comprises establishments primarily engaged in manufacturing furniture especially designed for use in restaurants. This industry did not exist as a separate classification in 1939. No comparable statistics are available for that year. The products of this industry are produced to a considerable extent by establishments classified in other furniture industries. Almost a third of the total shipments were accounted for by such establishments.

**Furniture and Fixtures, Not Elsewhere Classified** (*Standard Industrial Classification No. 2599.*)—No precise definition can be given for this industry, since it includes products not classified in any one of the several furniture industries. Likewise, no 1939 statistics are available. The industry is relatively small, having a total value of shipments of slightly over \$5,000,000. Shipments of products classified in this industry were about equally divided between the industry itself and other industries.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
<b>Window and door screens:</b>								
1947	284	9,510	\$25,205	7,766	\$17,894	\$44,416	\$46,710	\$91,126
1939	182	3,616	4,621	2,830	2,984	7,381	7,842	15,224
1937	144	3,323	4,132	2,833	3,034	7,354	7,304	14,748
1935	141	2,331	2,672	1,873	1,744	4,645	4,123	8,668
1933	123	1,881	1,719	1,571	1,223	3,408	2,011	6,814
1929	280	4,863	7,374	4,034	4,958	13,939	10,613	24,452
1921	157	2,545	3,670	2,129	2,656	5,030	6,102	12,038
1919	214	2,585	2,873	2,170	2,047	0,030	4,897	10,833
1914	220	3,748	2,670	3,194	1,894	4,000	4,261	9,167

See footnotes at end of table.



TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year) <sup>4</sup>	Salaries and wages, total <sup>5</sup>	Number (average for the year) <sup>6</sup>	Wages, total <sup>7</sup>			
<b>Window shades:</b>								
1947	126	6,760	\$18,668	5,495	\$13,264	\$34,844	\$46,628	\$81,472
1939	273	4,072	4,821	3,261	3,411	11,661	15,410	27,071
1937	304	3,854	4,542	3,166	3,173	10,280	13,294	23,574
1935	319	3,693	4,102	2,999	2,710	8,101	12,223	20,324
1933	312	3,437	3,051	2,903	2,284	7,055	9,115	16,170
1929	482	5,686	8,028	4,708	5,624	17,180	19,785	36,965
1921	242	4,518	6,028	3,781	4,421	11,760	17,888	29,648
1919	287	5,236	5,443	4,411	3,669	10,941	18,250	29,191
1914	286	4,904	3,250	4,077	2,181	5,555	11,889	17,444
1909	219	4,576	2,725	3,930	1,918	5,918	12,653	18,571
1899	96	2,093	1,075	1,801	752	2,497	5,575	8,072
<b>Venetian blinds:</b>								
1947	648	9,703	20,364	8,280	15,448	37,136	46,617	83,753
1939	280	n.a.	n.a.	5,400	5,077	12,850	14,092	26,942
1937	85	n.a.	n.a.	3,228	2,992	6,629	8,120	14,749
<b>Restaurant furniture:</b>								
1947	173	3,370	9,161	2,880	7,273	15,201	11,032	26,233
<b>Furniture and fixtures, n.e.c.:</b>								
1947	29	715	2,021	656	1,683	3,192	2,190	5,382
1939								

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>2</sup> For 1947 and 1929, value of products shipped; for all other years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>3</sup> "Window and door screens" was not shown as a separate industry prior to 1914, but was included with the industry formerly designated as "Lumber, planing-mill products."<sup>4</sup> Revised.<sup>5</sup> "Venetian blinds" was formerly a part of the discontinued classification "Planing-mill products, and other wooden products, n.e.c." Separate figures are therefore not available for years prior to 1937.<sup>6</sup> No comparable figures are available for years prior to 1947. See text on industry.<sup>7</sup> There were no establishments in 1939 that could be classified in "Furniture and fixtures, n.e.c."

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

(Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Window and door screens, total<sup>1</sup></b>	284	9,510	\$25,205	7,766	16,414	\$17,894	\$44,416	\$46,710	\$91,126	\$2,261
New England	23	853	1,826	740	1,560	1,412	2,374	3,559	5,933	184
Massachusetts	15	199	516	149	321	313	681	898	1,579	58
Middle Atlantic	87	1,698	5,081	1,570	3,393	3,711	7,817	9,147	16,964	358
Pennsylvania	28	1,194	3,154	926	2,017	2,295	4,400	6,912	10,312	220
East North Central	104	4,340	12,693	3,510	7,330	8,585	24,498	23,481	47,979	1,199
Ohio	39	2,351	7,088	1,803	3,601	4,265	15,132	13,359	28,491	629
Illinois	28	524	1,406	415	881	947	2,905	3,144	6,049	145
Michigan	28	1,239	3,601	1,104	2,445	2,937	5,406	6,333	10,739	292
West North Central	23	674	1,616	554	1,178	1,238	2,728	3,257	5,985	261
Minnesota	12	437	1,040	383	810	838	1,622	1,804	3,426	185
South	46	1,342	3,060	1,129	2,370	2,179	5,100	5,234	10,334	158
Maryland	7	138	452	114	314	329	459	422	881	22
Kentucky	5	207	607	170	365	397	905	1,002	1,907	25
West	21	303	929	263	653	769	1,899	2,032	3,931	121
<b>Window shades, total<sup>1</sup></b>	126	6,760	18,668	5,495	11,352	13,264	34,844	46,628	81,472	2,116
Northeast	63	1,988	5,141	1,605	3,458	3,520	7,188	13,100	20,288	612
New York	33	1,580	4,218	1,286	2,786	2,919	5,535	10,684	16,219	564
North Central	40	4,359	12,408	3,591	7,307	9,144	25,338	30,430	55,768	1,431
Illinois	18	1,698	5,680	1,304	2,796	4,082	13,657	18,370	32,027	427
Michigan	4	1,031	2,346	871	1,663	1,827	4,580	3,278	7,838	209
South	16	176	448	115	243	182	623	1,752	2,375	6
Pacific	7	237	611	184	344	418	1,695	1,346	3,041	67
<b>Venetian blinds, total<sup>1</sup></b>	648	9,703	20,364	8,280	17,199	15,448	37,136	46,617	83,753	1,772
New England	30	400	821	354	729	658	1,613	1,196	2,809	108
Massachusetts	15	283	592	256	533	487	1,200	611	1,811	92
Middle Atlantic	103	1,964	4,231	1,723	3,564	3,305	8,252	12,435	20,687	268
Pennsylvania	31	703	1,422	643	1,375	1,178	2,595	4,668	7,263	74
North Central	142	3,279	6,639	2,762	5,737	4,895	11,168	13,759	24,927	454
Illinois	49	881	1,817	761	1,562	1,376	3,009	3,993	7,002	60
Michigan	12	431	1,036	373	819	811	1,682	2,229	3,911	96
Wisconsin	6	351	770	282	588	505	1,155	903	2,058	44
Missouri	18	549	1,044	465	903	726	2,168	2,821	4,989	158
South Atlantic	58	1,140	2,320	975	2,052	1,727	4,391	6,010	10,401	325
Georgia	17	367	652	318	645	499	1,203	1,874	3,077	160
Florida	23	189	378	161	303	292	682	708	1,390	31
East South Central	18	221	412	178	376	257	777	878	1,655	70
Alabama	8	122	246	98	207	135	450	480	930	58
West South Central	93	1,206	2,273	1,033	2,215	1,738	4,563	4,989	9,552	270
Texas	72	954	1,733	817	1,757	1,318	3,338	4,120	7,458	202
Mountain	13	89	177	75	152	142	370	371	741	46
Pacific	131	1,404	3,491	1,180	2,374	2,726	6,002	6,979	12,981	231
California	110	1,161	2,977	973	1,953	2,302	5,022	5,666	10,588	188
<b>Restaurant furniture, total<sup>1</sup></b>	173	3,370	9,161	2,880	6,198	7,273	15,201	11,032	26,233	653
Northeast	70	1,049	2,979	891	1,852	2,356	4,489	3,965	8,454	254
East North Central	41	864	2,561	767	1,635	2,011	4,218	2,432	6,650	89
Ohio	7	29	72	23	46	51	110	95	205	156
West North Central	17	750	1,800	621	1,461	1,400	3,306	2,369	5,675	31
South	14	390	845	320	677	637	1,394	967	2,361	123
West	31	317	976	282	599	869	1,794	1,299	3,093	4
Washington	4	47	145	39	83	119	236	212	448	112
California	24	217	670	197	395	607	1,261	917	2,178	

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Furniture and fixtures, n.e.c., total<sup>1</sup></b>	<b>29</b>	<b>715</b>	<b>\$2,021</b>	<b>656</b>	<b>1,403</b>	<b>\$1,683</b>	<b>\$3,192</b>	<b>\$2,190</b>	<b>\$5,382</b>	<b>\$154</b>
Northeast	9	130	331	113	220	249	663	472	1,185	10
East North Central	12	388	1,266	301	806	1,046	1,859	1,292	3,151	92
South and West	8	197	434	182	377	388	670	426	1,096	52

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

**Window and door screens:** *New England*, Maine, 1; *New Hampshire*, 2; *Vermont*, 1; *Rhode Island*, 1; *Connecticut*, 3 (49); *Middle Atlantic*, New York, 28 (275); *New Jersey*, 11 (529); *East North Central*, Indiana, 5 (87); *Wisconsin*, 4 (159); *West North Central*, Iowa, 2; *Missouri*, 8 (190); *Nebraska*, 1; *South*, District of Columbia, 1; *Virginia*, 3 (104); *West Virginia*, 1; *North Carolina*, 3 (10); *South Carolina*, 2; *Georgia*, 4 (49); *Florida*, 2; *Tennessee*, 1; *Alabama*, 1; *Mississippi*, 1; *Arkansas*, 3 (10); *Louisiana*, 1; *Oklahoma*, 5 (274); *Texas*, 6 (59); *West*, Colorado, 2; *Utah*, 1; *Washington*, 1; *California*, 17 (295).

**Window shades:** *Northeast*, Vermont, 1; *Massachusetts*, 10 (57); *Rhode Island*, 2; *Connecticut*, 1; *New Jersey*, 10 (71); *Pennsylvania*, 6 (59); *North Central*, Ohio, 7 (1,570); *Indiana*, 3 (60); *Wisconsin*, 3 (69); *Minnesota*, 3; *Missouri*, 2; *South*, Maryland, 5 (52); *District of Columbia*, 1; *North Carolina*, 2; *Georgia*, 1; *Florida*, 2; *Kentucky*, 1; *Alabama*, 1; *Texas*, 3 (14); *Pacific*, Washington, 1; *California*, 8.

**Venetian blinds:** *New England*, Maine, 2; *Vermont*, 1; *Rhode Island*, 4 (25); *Connecticut*, 8 (84); *Middle Atlantic*, New York, 102 (861); *New Jersey*, 30 (400); *North Central*, Ohio, 25 (427); *Indiana*, 12 (45); *Minnesota*, 5 (101); *Iowa*, 5 (380); *Nebraska*, 5 (68); *Kansas*, 5 (48); *South Atlantic*, Maryland, 4 (403); *District of Columbia*, 1; *Virginia*, 2; *West Virginia*, 1; *North Carolina*, 7 (83); *South Carolina*, 3 (29); *East South Central*, Kentucky, 4 (41); *Tennessee*, 6 (58); *West South Central*, Arkansas, 4 (39); *Louisiana*, 9 (85); *Oklahoma*, 8 (128); *Mountain*, Idaho, 2; *Colorado*, 4 (31); *New Mexico*, 2; *Arizona*, 3 (37); *Utah*, 2; *Pacific*, Washington, 13 (156); *Oregon*, 8 (87).

**Restaurant furniture:** *Northeast*, Maine, 1; *Massachusetts*, 5 (33); *Connecticut*, 3; *New York*, 38 (577); *New Jersey*, 10 (226); *Pennsylvania*, 13 (174); *East North Central*, Indiana, 1; *Illinois*, 18 (444); *Michigan*, 11 (130); *Wisconsin*, 4; *West North Central*, Minnesota, 2; *Iowa*, 1; *Missouri*, 11 (700); *North Dakota*, 1; *Kansas*, 2; *South*, North Carolina, 3 (214); *Georgia*, 1; *Florida*, 3 (35); *Kentucky*, 1; *Tennessee*, 1; *Mississippi*, 1; *Arkansas*, 1; *Texas*, 3 (31); *West*, Colorado, 2; *Oregon*, 1.

**Furniture and fixtures, n.e.c.:** *Northeast*, Connecticut, 1; *New York*, 4 (62); *New Jersey*, 2; *Pennsylvania*, 2; *East North Central*, Ohio, 2; *Illinois*, 8 (322); *Michigan*, 2; *South and West*, Maryland, 1; *South Carolina*, 1; *Mississippi*, 1; *California*, 5 (107).

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

(Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS)

ITEM	Industry					ITEM	Industry				
	Window and door screens	Window shades	Venetian blinds	Restaurant furniture	Furniture and fixtures, n.e.c.		Window and door screens	Window shades	Venetian blinds	Restaurant furniture	Furniture and fixtures, n.e.c.
<b>ALL ESTABLISHMENTS</b>						<b>ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued</b>					
Number of establishments	284	126	648	173	29	Cost of materials, fuel, electricity, and contract work:					
All employees:						Materials, parts, containers, and supplies	\$46,710	\$46,628	\$41,604	\$11,032	\$2,190
Number (average for the year)	9,510	6,760	9,703	3,370	715	Fuels, total	45,880	45,913	41,170	10,648	2,104
Salaries and wages, total	\$25,205	\$18,668	\$20,364	\$9,161	\$2,021	Bituminous coal	210	622	200	74	15
Production and related workers:						Anthracite	110	400	64	81	8
Number (average for the year)	7,766	5,495	8,280	2,880	656	Coke	12	1	2	8	1
Man-hours, total	16,414	11,352	17,199	6,198	1,403	Fuel oils	43	20	55	20	1
Wages, total	\$17,894	\$13,264	\$15,448	\$7,273	\$1,683	Gas	38	9	73	10	1
Value added by manufacture	\$44,416	\$34,844	\$37,136	\$16,201	\$3,192	Other fuels	6	2	6	6	4
<b>ESTABLISHMENTS REPORTING DETAILED STATISTICS</b>						Purchased electric energy	291	158	248	103	38
Number of establishments	284	126	361	173	29	Contract and commission work	329	35	70	212	33
All employees:						Value of inventories:					
Number (average for the year)	9,510	6,760	8,597	3,370	715	Beginning of year, total	\$11,226	\$14,311	\$7,719	\$3,208	\$479
Salaries and wages, total	\$25,205	\$18,668	\$18,261	\$9,161	\$2,021	Finished products	2,789	3,058	1,219	716	55
Production and related workers:						Materials, supplies, and work in process	8,437	10,653	6,500	2,582	424
Number (average for the year)	7,766	5,495	7,192	2,880	656	End of year, total	15,821	18,031	9,004	3,607	518
Man-hours, total	16,414	11,352	15,052	6,198	1,403	Finished products	8,792	5,383	1,301	897	40
Wages, total	\$17,894	\$13,264	\$13,430	\$7,273	\$1,683	Materials, supplies, and work in process	12,029	13,248	7,703	2,710	478
Value added by manufacture	\$44,416	\$34,844	\$32,962	\$15,201	\$3,192	Expenditures for plant and equipment:					
Number of employees for pay period ended nearest Oct. 15:						New plant and equipment	\$2,261	\$2,116	\$1,772	\$653	\$154
All employees:						Construction and major alteration of fixed plants	689	820	515	259	40
Male	10,213	7,055	9,030	3,422	735	Buildings	560	799	461	257	24
Female	8,402	4,122	4,980	3,102	635	Other construction	120	21	54	2	16
Production and related workers:						Machinery and equipment	1,572	1,296	1,257	394	114
Male	1,811	2,933	4,050	320	100	Production machinery and equipment	1,308	1,166	955	295	105
Female	8,436	5,742	7,519	2,911	675	Other machinery and equipment	264	130	302	99	9
Force-account construction workers:	7,137	3,855	4,100	2,722	598	Used plant and equipment, and land	452	43	137	148	77
Administrative, supervisory, sales, and all other	1,299	2,387	3,419	189	77	Number of highway-type motor vehicles owned or leased:					
Male	1,777	1,313	1,511	511	60	Trucks					
Female	1,265	787	880	380	37	By manufacturer's rated capacity:					
All employees, number by month:						Under 1 1/2 tons	308	86	360	89	18
January	8,910	6,735	8,093	3,366	741	1 1/2 tons	157	54	288	47	6
February	8,899	6,713	7,890	3,321	715	Over 1 1/2 tons and less than 3 1/2 tons	120	10	60	34	7
March	8,822	6,674	7,999	3,355	694	3 1/2 tons	28	11	19	6	8
April	8,885	6,739	8,194	3,386	708	3 1/2 tons and less than 5 tons	4	4	3	2	-----
May	8,120	6,678	8,509	3,367	752	5 tons and over	3	1	-----	-----	-----
June	8,467	6,495	8,909	3,377	769	By body type:					
July	8,404	6,391	8,704	3,218	747	Van	18	5	21	11	4
August	9,470	6,583	8,526	3,363	738	Stake or platform	141	18	23	34	10
September	9,707	6,731	8,755	3,389	663	Panel or light delivery	104	50	250	29	4
October	10,213	7,055	9,030	3,422	735	All other trucks	45	13	66	15	-----
November	10,569	7,135	9,290	3,422	666	Truck tractors	15	1	6	3	-----
December	10,927	7,165	9,111	3,361	683	Trailers and semitrailers	19	1	10	8	-----

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A <sup>1</sup> appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all estab- lish- ments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000- 2,499 employees	2,500 employees and over
<b>Window and door screens:</b>											
Number of establishments.....	284	80	53	56	48	21	18	8			
Number of employees (average for the year).....	9,510	178	348	795	1,491	1,434	2,811	2,453			
Value added by manufacture.....	\$44,416	\$713	\$1,454	\$3,440	\$7,300	\$6,572	\$15,259	\$9,678			
<b>Window shades:</b>											
Number of establishments.....	126	48	32	13	15	4	8	3	<sup>1</sup>	<sup>2</sup>	
Number of employees (average for the year).....	6,760	117	207	184	468	246	1,340	1,122	(d)	3,076	
Value added by manufacture.....	\$34,844	\$595	\$895	\$685	\$2,132	\$1,385	\$6,802	\$4,913	(d)	\$17,437	
<b>Venetian blinds:</b>											
Number of establishments.....	648	241	167	125	83	16	13	3			
Number of employees (average for the year).....	9,703	517	1,108	1,662	2,423	1,097	1,937	959			
Value added by manufacture.....	\$37,136	\$2,443	\$4,194	\$6,702	\$9,323	\$4,209	\$6,860	\$3,405			
<b>Restaurant furniture:</b>											
Number of establishments.....	173	47	42	44	26	10	3	1			
Number of employees (average for the year).....	3,370	112	287	597	719	637	1,018	(d)			
Value added by manufacture.....	\$15,201	\$526	\$1,091	\$2,799	\$3,164	\$3,620	\$4,001	(d)			
<b>Furniture and fixtures, n.e.c.:</b>											
Number of establishments.....	29	8	4	6	5	5	1				
Number of employees (average for the year).....	715	21	27	100	127	140	(d)				
Value added by manufacture.....	\$3,192	\$79	\$107	\$465	\$612	\$1,529	(d)				

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

WINDOW AND DOOR SCREENS INDUSTRY	Shipped by—			WINDOW SHADES INDUSTRY	Shipped by—		
	Window and door screens industry	Other industries	All industries		Window shades industry	Other industries	All industries
<b>Total shipments by the industry.....</b>	<b>\$91,126</b>			<b>Total shipments by the industry.....</b>	<b>\$81,472</b>		
A. Window and door screens and weatherstrip.....	81,164	\$20,519	\$110,683	A. Window shades.....	55,048	\$4,821	\$59,869
Wood screen doors and window screens.....	9,212	9,575	18,787	B. Secondary products.....	25,288		
Metal screen doors and window screens.....	7,496	2,799	10,295	C. Miscellaneous receipts.....	1,156		
Wood storm sash and wood combination screen and storm sash and doors.....	27,597	14,583	42,180				
Metal storm sash and metal combination screen and storm sash and doors.....	26,410	1,172	27,582	<b>2591</b>			
Weatherstrip.....	8,643	611	9,254	<b>RESTAURANT FURNITURE INDUSTRY</b>			
Other products, not specified by kind.....	1,797	770	2,567	<b>Total shipments by the industry.....</b>	<b>\$26,233</b>		
B. Secondary products.....	9,227			A. Restaurant furniture.....	22,492	\$10,287	\$32,779
C. Miscellaneous receipts.....	735			B. Secondary products.....	3,502		
				C. Miscellaneous receipts.....	239		
VENETIAN BLINDS INDUSTRY	Shipped by—			FURNITURE AND FIXTURES, N.E.C., INDUSTRY	Shipped by—		
	Venetian blinds industry	Other industries	All industries		Furniture and fixtures, n.e.c., industry	Other industries	All industries
<b>Total shipments by the industry.....</b>	<b>\$83,753</b>			<b>Total shipments by the industry.....</b>	<b>\$5,382</b>		
A. Venetian blinds.....	78,390	\$7,012	\$85,402	A. Furniture and fixtures, n.e.c.....	4,733	\$4,586	\$9,319
Metal-slat blinds.....	57,566	3,483	61,049	B. Secondary products.....	588		
Wood-slat blinds.....	7,550	1,859	9,409	C. Miscellaneous receipts.....	61		
Other blinds and blinds not specified by type.....	12,883	1,670	14,553				
B. Secondary products.....	3,142						
Window shades.....	1,207						
Other secondary products.....	1,845						
C. Miscellaneous receipts.....	2,212						

<sup>1</sup> Includes \$9,007,000 for small establishments that were not asked to report a breakdown of total shipments.

## CENSUS OF MANUFACTURES: 1947

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947		1939	PRODUCT	1947		1939
	Total shipments and interplant transfers		Production		Total shipments and interplant transfers		Production
	Quantity	Value f.o.b. plant	Value		Quantity	Value f.o.b. plant	Value
Window and door screens and weatherstrip	(M units)	\$110,683	\$18,878	Window shades and accessories		\$59,800	\$24,622
Screen doors	1,727	7,533		1947 <sup>1</sup>			
Wood	(d)	(d)	11,473	PRODUCT	Total	Wood	Metal
Metal	(d)	(d)	3,140				
Window screens	14,354	21,332		Restaurant furniture	\$32,779	\$19,935	\$12,844
Wood	9,127	11,293	( <sup>1</sup> )	Chairs and stools	12,212	4,047	7,265
Metal	5,227	10,039	( <sup>1</sup> )	Tables	3,425	2,411	1,014
Combination screen and storm doors	1,230	12,370		Booths	6,827	6,110	717
Wood	1,173	10,989		Other restaurant furniture	6,515	4,240	2,276
Metal	57	1,381		Restaurant furniture, not specified by kind	3,800	2,227	1,673
Combination screen and storm sash	3,989	43,505		1947 <sup>1</sup>			
Wood	2,079	19,599	( <sup>1</sup> )	PRODUCT	Total	Wood	Metal
Metal	1,910	23,906					
Storm sash	4,262	13,698		Furniture and fixtures, n.e.c.	\$9,319	\$3,427	\$2,930
Wood	3,928	11,592					
Metal	334	2,106					
Weatherstrip	(M lin. ft.)	9,254	3,672				
Metal	132,334	6,373	3,159				
Other	37,918	727	513				
Weatherstrip, quantity not reported		2,154					
Other products, not specified by kind		2,991	593				

PRODUCT	1947			1939			
	Total shipments and interplant transfers			Production			
	Quantity		Value f.o.b. plant	Total value	Quantity and value reported		Value only reported
	M blinds	M sq. ft. of blinds			Quantity M blinds	Value	
Venetian blinds			\$85,411	\$23,421	5,446	\$12,534	\$10,887
Metal-slat blinds	11,678	159,083	61,049	n.a.			
Steel-slat blinds	7,465	100,387	37,697				
Aluminum-slat blinds	4,213	58,696	23,352				
Wood-slat blinds	1,695	22,393	9,809	10,817	5,105	11,242	8,575
Other blinds and blinds not specified by type			14,553	3,604	341	1,292	2,312

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

n.a.—Not available.

<sup>1</sup> The 1939 data did not include separate figures for screen doors and window screens. Therefore, the figures shown for screen doors represent both screen doors and window screens.<sup>2</sup> Classified as millwork in 1939, but not reported separately from conventional doors and sash.<sup>3</sup> No data are available for 1939; see text.<sup>4</sup> Between 15 and 20 percent of the quantity shown was estimated on the basis of reported quantities.<sup>5</sup> Includes \$9,097,000 for small establishments that were not asked to report a breakdown of total shipments.

TABLE 7.—LUMBER, DIMENSION STOCK, AND STEEL CONSUMED: 1947

[Money figures in thousands of dollars]

MATERIAL	Restaurant furniture industry		Furniture and fixtures, n.e.c., industry		MATERIAL	Restaurant furniture industry		Furniture and fixtures, n.e.c., industry	
	Quantity (M ft. b. m.)	Cost	Quantity (M ft. b. m.)	Cost		Quantity (M ft. b. m.)	Cost	Quantity (M ft. b. m.)	Cost
Lumber, total	14,590		2,163		Steel mill shapes and forms, total	3,817	\$537	1,339	\$122
Hardwood	12,214		2,077		Carbon steel, total	3,389	484	(d)	(d)
Softwood	2,376		86		Sheet and strip	1,067	221	(d)	(d)
Dimension stock, total	2,913		557		All other mill shapes and forms	1,722	263	(d)	(d)
Hardwood	1,674		(d)		Alloy steel, except stainless	425	53		
Softwood	1,239		(d)						

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

## Major Group 26.—PAPER AND ALLIED PRODUCTS

This major group includes the manufacture of pulp primarily from wood, and from rags and other fibers; the conversion of these pulps into paper or board; and the manufacture of paper and paperboard into converted paper products such as coated paper, paper

bags, paper boxes, cards, and envelopes. Certain types of converted paper products are classified elsewhere, such as abrasive paper in Industry 3291, carbon paper in Industry 3955, and photosensitized and blueprint paper in Industry 3861.

### GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

CENSUS YEAR	Number of establishments	All employees <sup>1</sup>		Production workers		Value added by manufacture <sup>2</sup>
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total	
1947 <sup>3</sup>	4,103	449,833	\$1,280,672	388,901	\$1,010,972	\$2,874,958
1939	3,328	n.a.	n.a.	270,239	315,193	888,350
1937 <sup>4</sup>	3,084	n.a.	n.a.	266,944	310,137	862,866
1935	2,945	266,857	313,309	235,665	235,725	635,840
1933	2,697	220,619	219,038	196,380	172,842	518,096
1931 <sup>5</sup>	2,017	n.a.	n.a.	197,038	216,821	606,357
1929	2,973	258,306	372,638	228,919	281,461	782,043
1927	2,851	245,660	343,706	218,296	264,153	685,490
1925	2,614	241,858	327,081	216,146	256,367	612,207
1923	2,582	240,608	317,384	213,978	243,920	564,313
1921	2,511	202,354	255,750	180,604	197,926	392,012
1919	2,558	227,089	268,869	202,888	208,174	516,568
1914	2,344	181,519	114,343	164,152	87,385	201,181
1909	2,316	155,133	85,353	142,477	66,572	167,697
1904	2,031	128,615	62,415	110,854	50,863	122,021
1899	1,895	99,784	43,713	93,512	35,393	89,795

n.a.—Not available.

<sup>1</sup> The figures for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known. See GENERAL EXPLANATIONS—Manufacturing employees—Classifications used.

<sup>2</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899–1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>3</sup> The figures for 1947 and 1939 include, whereas those for earlier years exclude, data for establishments primarily engaged in manufacture of printed paper patterns and laminated, enameled, hard pressed, and insulating wallboards of vegetable fiber. Value added by manufacture for 1939, excluding data for these establishments, was \$869.9 million. The comparability of the 1947 figures with those for earlier years is further affected by the inclusion of data for establishments primarily engaged in manufacture of tags, which were formerly classified in the "Printing and publishing" group.

<sup>4</sup> The figures for 1937–47 include, whereas those for earlier years exclude, data for establishments primarily engaged in manufacture of fiber products, fiber conduits, and molded pulp products. Value added by manufacture for 1937, excluding data for these establishments, was \$352.7 million.

<sup>5</sup> The figures for 1931–47 include, whereas those for earlier years exclude, data for establishments primarily engaged in manufacture of papeteries. Value added by manufacture for 1931, excluding data for these establishments, was \$609.6 million.

## PULP, PAPER, AND BOARD

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of pulp from wood and other fibers, and of paper, paperboard, wet machine board, and building boards made on paper machines from these pulps. These establishments have been classified in two industries described separately below.

Where a fibrous material other than wood, such as waste paper, rags, and straw, is converted into pulp and then processed into paper or board as a part of an integrated operation, the establishment so engaged is classified in the Paper and Board Industry. On the other hand, an integrated operation processing wood into pulp and in turn converting the pulp into paper or board is, for purposes of this report, classified as two distinct establishments (pulp, and paper and board), even though the pulp may be transferred to the paper machine in slush form.

Adjustments in the reports of some companies engaged in integrated operations were necessary in order to prorate the value added by manufacture for the company as a whole to the two establishments recognized by the Census. These adjustments were made after it was apparent that, by assigning the market value to pulp consumed by the paper or board plants, most of the value added by manufacture would be credited to the pulp mill. Whenever possible, the reporting company was contacted before adjustments were made in the original values reported. In a few cases adjustments were made on the basis of reports covering similar operations.

The data shown in the following tables represent complete coverage of the pulp, and paper and board industries. Also, these industries account for all of the output of these products.

The commodity statistics on production are comparable with those published in the monthly and annual "Facts for Industry" Series M14A reports covering the pulp and paper industry.

Data on the consumption of the basic raw materials permit, for the first time, tracing the flow of materials through the several levels of operation. Pulpwood consumption statistics by type of pulping process and by specie of wood are shown in table 7-B of the pulp section of this report. Information on the consumption of the major types of pulp and other fibrous materials in the manufacture of major grade groups of paper and board are shown in table 7 of the paper and board section.

The use of paper and board in the production of converted paper and board products and the con-

sumption of paper by the printing industries is shown in the reports for those industries. The consumption of wood pulp in the rayon and cellophane, and pulp goods, molded and pressed, industries, is shown in the reports for those industries. By the integration of these statistics it is possible to trace flows from basic raw materials to final finished products.

The comparability of these data with those for earlier census years is affected by the reclassification of 12 establishments engaged in the production of building boards from vegetable fibrous materials. In 1939 and earlier census years these establishments were classified in the Wallboard (Except Gypsum and Plasterboard) Industry. The 1939 reports for these companies now have been included in the paper and board industry statistics for that year. It was not possible to prorate the data between the pulp, and the paper and board industries. As a result, the 1939 data on pulp are somewhat understated. Data for years prior to 1939 have not been adjusted.

**Pulp Mills** (*Standard Industrial Classification No. 2611.*)—This industry comprises establishments primarily engaged in manufacturing pulp from wood or from other materials such as rags, linters, waste paper, and straw (provided pulp from materials other than wood is sold as such). All wood pulping operations are included, whether producing pulp for sale or for transfer to a paper or board mill owned by or affiliated with the same company even though the mill is physically connected with the pulp producing unit. Plants producing pulp from other materials and converting such pulp into finished products in a continuous operation are not included in this industry. These pulping operations are included with paper and board mills.

**Paper and Board Mills** (*Standard Industrial Classification Nos. 2612 and 2613—Full title of combined industries "Paper and Paperboard Mills" and "Building Paper and Building Board Mills."*)—This industry comprises establishments primarily engaged in the manufacture of paper, paperboard, building paper and building board from wood pulp, and other fibers on a standard or modified paper machine. A few establishments engaged in the manufacture of a fill-type insulation from waste paper for local consumption were excluded when it was determined that installation and not manufacturing accounted for the greatest portion of the value added for such products.

General statistics (employment, cost of materials, etc.) for earlier census years for this industry are not comparable with 1947 and are, therefore, not shown. This lack of comparability is the result of a change in the method of reporting the converting operation of paper and board mills. In 1939, a total of 213 paper and board mills reported converted paper and board products valued at \$173.3 million. These operations were reported as a part of an integrated operation and the combined report assigned to the paper and board mills industry. Separate reports were obtained in 1947 for these converting operations.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture <sup>1</sup>	Cost of materials, fuel, electricity, and contract work	Value of products shipped <sup>2</sup>
		Number (average for the year) <sup>4</sup>	Salaries and wages, total <sup>5</sup>	Number (average for the year) <sup>6</sup>	Wages, total <sup>7</sup>			
<b>Pulp mills:</b>								
1947.....	226	50,290	\$148,125	45,412	\$127,452	\$415,938	\$523,666	\$939,604
1939.....	194	30,613	40,866	26,870	33,088	82,115	144,737	226,852
1937.....	194	29,147	38,721	26,994	33,570	93,640	153,652	247,192
1935.....	188	25,698	28,227	23,627	23,401	71,030	96,178	167,208
1933.....	181	21,847	21,396	20,074	18,103	62,796	81,696	134,692
1931.....	198	n.a.	n.a.	20,219	22,844	55,891	110,668	168,559
1929.....	198	26,614	38,524	24,729	32,679	90,175	148,753	238,928
1927 <sup>3</sup> .....	219	26,889	37,491	24,794	31,527	66,873	151,825	218,198
<b>Paper and board:<sup>4</sup></b>								
1947.....	665	148,080	461,145	128,684	381,571	1,050,108	1,761,940	2,812,048

n.a.—Not available.

<sup>1</sup> Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>2</sup> For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.<sup>3</sup> "Pulp mills" and "Paper and board mills" formerly constituted a single classification, "Paper and wood pulp." Separate figures are, therefore, not available for years prior to 1927.<sup>4</sup> Data for earlier years not shown due to a lack of comparability caused by a change in method of reporting converting operations of paper and board mills (see text). For historical data for the Paper and Allied Industries, see Industry Pamphlet MC26B, Paper and Board Products.<sup>5</sup> See footnote 3, table 2.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Pulp mills, total<sup>1</sup>.....</b>	<b>226</b>	<b>50,290</b>	<b>\$148,125</b>	<b>45,412</b>	<b>99,894</b>	<b>\$127,452</b>	<b>\$415,938</b>	<b>\$523,666</b>	<b>\$939,604</b>	<b>\$85,507</b>
New England.....	30	6,588	19,264	6,066	14,246	17,018	36,829	73,705	110,534	9,065
Maine.....	21	4,968	14,704	4,568	11,059	13,117	27,103	56,405	83,508	(d)
New Hampshire.....	3	1,260	3,498	1,147	2,418	3,021	6,995	13,975	20,970	(d)
Middle Atlantic.....	50	5,484	15,777	4,925	10,935	13,962	28,174	53,357	81,531	6,521
New York.....	33	3,081	8,652	2,749	6,114	7,522	17,081	34,336	51,417	5,157
New Jersey.....	7	106	366	102	232	352	1,178	1,291	2,469	96
Pennsylvania.....	10	2,287	6,769	2,074	4,589	6,088	9,915	17,730	27,645	1,288
East North Central.....	49	6,575	19,514	6,011	13,703	17,115	37,617	64,038	101,655	4,521
Ohio.....	4	368	1,121	366	809	1,090	2,529	1,934	4,463	(d)
Illinois.....	6	114	340	107	229	315	829	1,154	1,983	(d)
Michigan.....	10	1,241	3,694	1,149	2,641	3,358	6,931	12,629	19,560	452
Wisconsin.....	29	4,852	14,369	4,389	10,024	12,352	27,328	48,321	75,649	3,421
West North Central.....	7	1,354	4,038	1,175	2,765	3,307	11,561	15,324	26,885	1,925
Minnesota.....	7	1,354	4,038	1,175	2,765	3,307	11,561	15,324	26,885	1,925
South Atlantic.....	30	12,847	34,834	11,567	24,340	29,023	92,369	136,195	228,564	25,726
Virginia.....	10	4,142	9,756	3,818	7,727	8,535	21,685	36,477	58,162	4,729
North Carolina.....	4	1,767	5,492	1,505	3,340	4,465	11,591	19,844	31,435	(d)
Florida.....	8	2,827	7,834	2,549	5,502	6,157	24,160	30,801	54,961	10,493
East South Central.....	16	4,283	11,848	3,989	8,856	10,519	47,689	42,762	90,451	4,315
Tennessee.....	6	1,142	3,158	986	2,209	2,525	15,805	18,322	34,127	(d)
Alabama.....	6	1,307	3,732	1,239	2,804	3,298	12,690	13,300	25,990	860
Mississippi.....	4	1,834	4,958	1,764	3,843	4,696	19,194	11,140	30,334	(d)
West South Central.....	12	5,570	15,955	4,872	10,422	13,446	49,558	56,662	106,220	10,903
Louisiana.....	8	4,111	11,681	3,629	7,756	9,903	33,685	38,504	72,189	6,172
Pacific.....	32	7,689	26,895	6,817	14,627	23,062	112,141	81,623	193,784	22,531
Washington.....	20	6,288	22,427	5,597	12,092	19,145	95,169	65,259	160,428	20,764
Oregon.....	9	1,310	4,328	1,181	2,448	3,785	16,585	16,065	32,550	1,718
<b>Paper and board, total<sup>1</sup>.....</b>	<b>665</b>	<b>148,080</b>	<b>461,145</b>	<b>128,684</b>	<b>297,558</b>	<b>381,571</b>	<b>1,050,108</b>	<b>1,761,940</b>	<b>2,812,048</b>	<b>\$205,019</b>
New England.....	187	27,996	84,958	24,552	59,544	70,213	172,556	273,302	445,858	25,903
Maine.....	21	9,421	28,531	8,327	20,228	23,980	61,040	105,346	168,386	(d)
New Hampshire.....	23	2,490	6,593	2,236	4,932	5,662	14,728	30,650	45,378	(d)
Vermont.....	9	732	2,228	649	1,618	1,777	8,419	11,267	19,686	234
Connecticut.....	23	2,197	7,384	1,972	4,865	6,307	14,892	22,204	37,096	2,438
Middle Atlantic.....	196	32,589	104,474	28,357	66,331	86,268	234,818	381,825	616,643	37,823
New York.....	104	15,276	46,717	13,223	31,221	38,921	97,234	189,806	286,540	14,591
New Jersey.....	38	6,808	24,928	6,920	13,960	19,932	60,964	74,375	135,339	7,110
Pennsylvania.....	54	10,505	32,829	9,214	21,150	27,415	76,620	118,144	194,764	16,122

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
<b>Paper and board—Continued</b>										
East North Central.....	181	42,164	\$136,533	36,938	85,175	\$114,682	\$303,654	\$472,817	\$776,471	\$57,171
Ohio.....	48	11,902	39,245	10,421	23,917	33,266	84,550	125,389	209,939	(d)
Indiana.....	17	2,574	7,824	2,180	5,404	6,196	10,071	24,769	40,840	4,627
Illinois.....	25	3,947	12,814	3,558	7,071	10,868	25,670	41,621	67,291	(d)
Michigan.....	46	10,615	37,037	9,401	22,495	31,881	81,171	137,060	218,240	13,973
Wisconsin.....	45	13,126	39,613	11,378	25,388	32,471	96,192	143,960	240,161	20,677
West North Central.....	17	4,996	15,552	4,378	10,510	13,191	41,416	55,448	96,804	8,527
Minnesota.....	10	4,133	13,003	3,589	8,616	10,965	32,867	46,994	79,861	7,905
Iowa.....	3	398	1,250	363	900	1,086	3,237	3,013	6,250	173
South Atlantic.....	56	15,617	45,851	12,895	29,091	36,047	126,551	247,667	374,218	26,415
Delaware.....	6	464	1,538	420	948	1,380	4,672	7,806	12,478	397
Virginia.....	12	3,279	9,354	2,861	6,595	7,648	34,262	51,305	85,507	2,099
North Carolina.....	8	4,320	13,978	3,364	7,294	10,038	26,833	36,235	63,068	(d)
Florida.....	9	1,965	5,576	1,699	3,741	4,720	24,143	40,387	73,530	5,841
East South Central.....	19	6,469	17,436	5,651	12,697	14,340	41,916	76,410	118,332	8,078
Tennessee.....	10	1,387	3,709	1,184	2,799	3,021	10,055	11,091	21,146	(d)
Alabama.....	5	2,239	6,028	2,008	4,097	5,047	15,271	26,632	41,903	2,698
Mississippi.....	4	2,843	7,699	2,459	5,801	6,272	16,590	38,693	55,283	(d)
West South Central.....	19	9,682	27,601	8,325	18,357	22,647	67,519	127,159	194,678	23,120
Louisiana.....	9	6,902	18,787	5,962	12,940	15,422	46,826	97,882	144,208	8,828
West.....	40	8,567	28,740	7,588	15,853	24,183	61,078	127,306	188,984	17,982
Washington.....	15	3,882	12,920	3,447	7,073	10,804	30,658	70,614	101,272	6,905
Oregon.....	7	2,248	7,471	2,018	4,170	6,496	11,210	34,165	45,381	3,523

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

<sup>1</sup> For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees, when possible.

**Pulp mills:** *New England*, Vermont, 3 (123); Massachusetts, 2; Rhode Island, 1; *South Atlantic*, Maryland, 2; South Carolina, 2; Georgia, 4; (1,620); *West South Central*, Arkansas, 2; Texas, 2; *Pacific*, California, 3 (41).

**Paper and board:** *New England*, Massachusetts, 60; Rhode Island, 1; *West North Central*, Missouri, 2; Kansas, 2; *South Atlantic*, Maryland, 8 (2,397); District of Columbia, 1; *West Virginia*, 4; South Carolina, 3 (1,543); Georgia, 5 (1,297); *West South Central*, Arkansas, 3 (1,184); Texas, 7 (1,596); *West*, Colorado, 1; Arizona, 1; California, 16.

<sup>2</sup> Exclusive of expenditures for completely new mills under construction during 1947, but which did not enter into production during the year.

<sup>3</sup> The 665 reports tabulated in this industry cover the operations of 695 paper and board mills. The 30 additional mills whose operations were covered by combined reports are located as follows: New Hampshire, 2; Massachusetts, 16; New York, 1; New Jersey, 3; Pennsylvania, 1; Illinois, 1; Michigan, 2; Wisconsin, 1; Tennessee, 1; South Carolina, 1; and Washington, 1.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947  
[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry		ITEM	Industry	
	Pulp mills	Paper and board		Pulp mills	Paper and board
Number of establishments.....	226	1,665	Cost of materials, fuel, electricity, and contract work—Continued		
All employees:			Fuels—Continued		
Number (average for the year).....	50,290	148,080	Gas.....	\$2,447	\$5,704
Salaries and wages, total.....	\$148,125	\$461,145	Other fuels.....	1,883	1,972
Production and related workers:			Purchased electric energy.....	11,074	28,586
Number (average for the year).....	45,412	128,684	Contract and commission work.....	761	483
Man-hours, total..... thousands.....	99,894	297,558	Value of inventories:		
Wages, total.....	\$127,452	\$381,571	Beginning of year, total.....	\$100,791	\$102,048
Value added by manufacture.....	\$416,938	\$1,050,108	Finished products.....	5,234	29,537
Number of employees for pay period ended nearest Oct. 15:			Materials, supplies, and work in process.....	95,557	102,511
All employees.....	51,348	150,138	End of year, total.....	120,743	207,883
Male.....	50,196	136,740	Finished products.....	9,633	38,498
Female.....	1,152	13,398	Materials, supplies, and work in process.....	120,210	229,385
Production and related workers.....	46,070	130,275	Expenditures for plant and equipment:		
Male.....	45,724	121,769	New plant and equipment.....	\$85,507	\$205,019
Female.....	346	8,476	Construction and major alteration of fixed plants.....	22,647	54,906
Force-account construction workers.....	1,292	2,690	Buildings.....	17,424	45,070
Administrative, supervisory, sales, and all other.....	3,986	17,773	Other construction.....	5,423	0,227
Male.....	3,181	12,855	Machinery and equipment.....	62,000	150,113
Female.....	805	4,918	Production machinery and equipment.....	57,410	143,644
All employees, number by month:			Other machinery and equipment.....	5,250	6,460
January.....	48,664	145,581	Used plant and equipment, and land.....	3,546	4,994
February.....	49,185	145,607	Number of highway-type motor vehicles owned or leased:		
March.....	49,395	145,787	Trucks.....	1,368	1,490
April.....	49,372	145,819	By manufacturer's rated capacity:		
May.....	49,852	147,853	Under 1 1/2 tons.....	192	299
June.....	50,540	148,046	1 1/2 tons.....	683	529
July.....	50,197	145,691	Over 1 1/2 tons and less than 3 1/2 tons.....	428	370
August.....	51,083	149,052	3 1/2 tons and less than 5 tons.....	11	142
September.....	51,183	148,851	5 tons and over.....	54	150
October.....	51,348	150,121	By body type:		
November.....	51,222	150,900	Van.....	5	96
December.....	51,456	152,212	Stake platform.....	686	647
Cost of materials, fuel, electricity, and contract work.....	\$523,666	\$1,781,940	Panel or light delivery.....	166	202
Materials, parts, containers, and supplies.....	478,394	1,630,257	All other trucks.....	611	545
Fuels, total.....	33,447	102,614	Truck tractors.....	99	308
Bituminous coal.....	18,101	73,505	Trailers and semitrailers.....	113	430
Anthracite.....	1,697	6,700			
Coke.....	14	41			
Fuel oils.....	9,395	14,632			

<sup>1</sup> See footnote 3, table 2.



# PULP, PAPER, AND BOARD

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**TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947**  
[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

INDUSTRY AND ITEM	Total, all establish- ments	Establishments with an average of—								
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000 employees and over
<b>Pulp mills:</b>										
Number of establishments.....	226	6	7	18	34	31	60	39	28	3
Number of employees (average for the year).....	60,290	18	57	263	1,188	2,398	9,837	13,883	18,672	3,984
Value added by manufacture.....	\$415,938	\$113	\$411	\$1,975	\$8,915	\$24,690	\$70,862	\$124,860	\$159,093	\$25,019
<b>Paper and board:</b>										
Number of establishments.....	1,665	6	6	15	102	141	218	119	44	20
Number of employees (average for the year).....	148,080	61	61	215	3,426	10,104	35,290	40,918	28,814	29,262
Value added by manufacture.....	\$1,050,108	\$325	\$1,172	\$24,205	\$83,029	\$274,346	\$311,640	\$188,053	\$167,248	

1 See footnote 3, table 2.

**TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947**

[The total value of shipments of the specified industry is divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The products primary to the specified industries are produced entirely by establishment classified in these industries and, therefore, represents the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

PULP MILLS	Value f.o.b. plant	PAPER AND BOARD INDUSTRY	Value f.o.b. plant
<b>Total shipments by the industry.....</b>	<b>\$939,604</b>	<b>Total shipments by the industry.....</b>	<b>\$2,812,048</b>
A. Pulp mill products.....	930,254	A. Paper and board.....	2,808,010
Bleached sulphite wood pulp.....	221,181	Newsprint and groundwood paper.....	174,166
Unbleached sulphite wood pulp.....	87,483	Book and fine paper.....	727,896
Bleached sulphate wood pulp.....	90,914	Coarse paper.....	452,211
Unbleached sulphate wood pulp.....	270,947	Special industrial and absorbent paper.....	100,265
Soda wood pulp.....	44,089	Sanitary and tissue paper.....	209,164
Groundwood pulp.....	95,870	Container board.....	456,209
Miscellaneous wood pulp.....	54,833	Bending board.....	294,430
Pulp other than wood.....	47,020	Nonbending board.....	60,030
Miscellaneous products.....	17,008	Miscellaneous paperboard.....	81,167
B. Secondary products.....	8,543	Wet machine board.....	21,575
Chlorine.....	1,448	Building paper (including miscellaneous building materials).....	113,148
Sodium hydroxide.....	1,244	Building board.....	116,839
Other secondary products.....	5,851	C. Miscellaneous receipts.....	4,038
C. Miscellaneous receipts.....	807	Contract and commission work.....	1,175
Contract and commission work.....		Repair work.....	
Repair work.....		Scrap and salable refuse.....	
Scrap and salable refuse.....		Nonmanufacturing activities.....	2,863
Nonmanufacturing activities.....			

## PULP MILLS

The tables in this section present commodity, material consumption, and machine capacity and activity information for the pulp industry.

Table 6-A shows the quantity and value of products shipped and produced by type of product. Data on wood pulp production, shipments, and consumption (in paper and board manufacture) by geographic divisions and States are contained in table 6-B. The quantity and value of wood pulp production and the quantity and value of pulpwood consumed by divisions and States are shown in table 6-C, and table 6-D shows average values of pulp transferred and shipped by grade of pulp.

Comparable statistics on pulpwood consumption and wood

pulp production by pulping process are shown in table 7-A. Table 7-B contains information on the total consumption of pulpwood by specie of wood in 1929, 1939, and 1947, with the 1947 data also shown by pulping process. The quantity and cost of wood consumed and the quantity of wood by condition as received at the mill are shown in table 7-C. The total quantity and cost of pulpwood consumed for specified years is shown in table 7-D.

The number, daily and annual capacity of pulp equipment in operation on December 31 are shown in table 8. A comparison between actual production and annual capacity for each type of pulp is also shown in this table.

TABLE 6-A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Quantities in tons of 2,000 lbs., air-dry; money figures in thousands of dollars]

PRODUCT	1947						Production (quantity)	1939			
	Shipments and interplant transfers							Shipments and interplant transfers			
	Total		Interplant transfers		All other shipments			Total <sup>1</sup>		Interplant transfers	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Total		\$930,254						\$226,089			
Wood pulp, total	11,916,875	865,326	10,423,647	\$692,318	1,493,228	\$173,008	11,945,864	6,993,334	209,061	5,694,086	\$154,760
Sulphite, total	2,772,720	308,664	1,695,234	175,241	1,077,486	133,423	2,795,962	1,946,452	86,044	1,101,990	49,038
Bleached sulphite, total	1,885,755	221,181	1,010,996	111,296	874,759	109,885	1,901,945	1,217,240	61,308	672,345	32,068
Dissolving and related grades	324,121	44,845			324,121	44,845	320,249				
Special paper grades	2,997	331	504	62	2,493	269	2,012				
Mitscherlich and glassine	96,793	11,418	86,761	10,175	10,042	1,243	16,986				
Standard grades, total	1,461,844	164,687	923,741	101,059	538,103	63,528	1,475,798				
Softwood	1,342,741	152,519	846,793	94,460	495,948	58,059	1,353,771				
Hardwood	119,103	12,068	76,948	6,599	42,155	5,469	122,027				
Unbleached sulphite, total	886,965	87,483	684,238	63,945	202,727	23,538	894,017	720,203	24,736	480,045	10,070
Mitscherlich and glassine	94,402	11,330	46,483	5,405	47,919	5,925	94,052				
Bleachable and easy bleaching	116,802	11,542	62,739	5,647	54,063	5,995	118,338				
Standard grades	486,701	49,516	386,209	38,061	99,492	11,465	490,118				
News grade	190,060	15,095	188,807	14,942	1,253	153	190,609				
Sulphate, total	5,354,776	361,861	5,133,572	336,197	221,204	25,664	5,350,710	2,962,657	72,040	2,570,562	60,403
Bleached sulphate, total	1,103,455	90,914	1,055,324	83,921	48,131	6,993	1,102,067	424,453	17,097	285,188	11,828
Super standard grades	58,069	8,312	26,364	3,415	31,705	4,897	58,122				
Standard grades, total	852,472	67,072	838,640	65,278	13,832	1,794	850,789				
Softwood	676,721	52,378	666,973	51,067	9,748	1,311	675,480				
Hardwood	175,751	14,694	171,667	14,211	4,084	483	175,303				
Semibleached sulphate	192,914	15,630	190,320	15,228	2,594	302	193,150				
Unbleached sulphate, total	4,251,321	270,947	4,078,248	252,276	173,073	18,671	4,254,043	2,538,204	55,243	2,291,604	48,635
Special paper grades, softwood	84,743	6,653	82,911	6,401	1,832	252	84,708				
Standard paper grades, softwood	2,188,757	150,681	2,082,485	139,000	106,272	11,681	2,188,923				
Board grades softwood	1,942,601	110,455	1,880,384	104,004	62,217	6,451	1,945,956				
Hardwood	35,220	3,158	32,468	2,871	2,752	287	34,966				
Soda	490,589	44,089	417,447	35,784	73,142	8,305	491,580	441,565	10,710	358,482	15,954
Groundwood, total	2,050,403	95,879	1,989,865	91,846	60,538	4,033	2,040,814	1,444,875	27,710	1,413,763	20,848
Bleached groundwood	108,949	6,728	108,949	6,728			108,980				
Unbleached groundwood, total	1,941,454	89,151	1,880,916	85,118	60,538	4,033	1,940,825				
Special grades	562,410	31,063	545,643	29,930	16,707	1,133	561,671				
News and board grades	1,379,044	58,088	1,335,273	55,188	43,771	2,900	1,379,154				
Miscellaneous wood pulp, total	1,248,387	54,833	1,187,529	53,250	60,868	1,583	1,251,798	197,785	2,657	183,009	2,457
Semichemical, chemifiber, and chemi- pulp	443,931	16,742	443,931	16,742			444,033				
Defibrated and exploded	693,284	33,149	657,071	32,558	30,213	591	693,282	151,658	2,105	151,658	2,105
Screening and off-quality pulp	111,172	4,942	86,527	3,950	24,045	992	114,483	40,127	552	31,351	352
Other pulp, total <sup>2,3</sup>	147,200	47,920	9,769	3,675	137,431	44,245	155,749	160,144	13,751	61,928	3,101
Miscellaneous products, total		17,008		1,191		15,817					
Turpentine sulphate		1,558				1,558			3,277		
Tall oil, total		10,040		1,191		8,849					
Crude		3,647		1,191		2,456					
Refined including distilled		6,393				6,393			3,277		
Other products <sup>4</sup>		5,410				5,410					

<sup>1</sup> The difference between total shipments and interplant transfers represents "All other shipments" in 1939.

<sup>2</sup> Includes value of small quantity of miscellaneous pulp produced and shipped by establishments primarily engaged in the manufacture of paper and board.

<sup>3</sup> Cotton (staple and linter) rag and waste paper pulp.

<sup>4</sup> Includes alcohol.

**TABLE 6-B.—WOOD PULP SHIPMENTS, PRODUCTION, AND CONSUMPTION (IN PAPER AND BOARD MANUFACTURE)**  
BY DIVISIONS AND STATES: 1947

[Quantities in tons of 2,000 lbs. air-dry; money figures in thousands of dollars]

DIVISION AND STATE	Shipments and interplant transfers						Production (quantity)	Consumption in paper and board manu- facture
	Total		Interplant transfers		All other shipments			
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant		
United States	11,916,875	\$865,326	10,423,647	\$692,318	1,493,228	\$173,008	11,945,864	13,285,435
New England	1,468,987	110,091	1,243,057	82,852	225,930	27,239	1,474,951	1,938,947
Maine	1,232,857	83,065	1,115,051	69,902	117,806	13,163	1,237,075	1,240,266
New Hampshire	171,488	20,970	65,214	7,170	106,274	13,800	174,137	199,246
Vermont	44,642	6,056	62,792	(d)	1,850	(d)	63,739	342,425
Massachusetts								
Rhode Island								
Connecticut								
Middle Atlantic	1,002,331	79,517	932,218	71,903	70,113	7,614	1,003,332	2,011,045
New York	645,627	50,886	581,433	43,891	64,194	6,995	645,955	1,127,647
New Jersey	68,620	2,469	68,620	2,469			68,620	265,419
Pennsylvania	288,084	26,162	282,165	25,543	5,919	619	288,757	617,979
East North Central	1,262,103	99,778	1,148,358	92,000	113,745	7,778	1,268,494	2,308,508
Ohio	113,084	5,160	113,084	5,160			113,084	483,243
Illinois								
Indiana								
Michigan								
Wisconsin	231,717	19,499	213,868	17,635	17,849	1,864	232,678	40,171
	917,302	75,119	821,406	69,205	95,896	5,914	922,732	589,623
West North Central	395,857	26,846	353,787	22,515	42,070	4,331	392,254	1,055,305
Minnesota	395,857	26,846	353,787	22,515	42,070	4,331	392,254	509,382
Iowa								
Missouri								
Kansas								509,382
South Atlantic	3,159,746	195,223	2,905,656	171,443	194,090	23,780	3,162,321	2,843,615
Delaware								19,675
Virginia	629,382	34,247	583,303	29,166	46,079	5,081	630,584	644,191
North Carolina	475,117	27,843	407,617	27,020	7,500	823	474,020	336,821
Maryland								
District of Columbia	1,275,300	78,708	1,249,889	(d)	25,501	(d)	1,274,659	101,912
West Virginia								
South Carolina and Georgia								
Florida								
	779,857	54,425	664,847	39,091	115,010	15,334	783,258	3,151
East South Central	994,867	58,027	986,893	57,307	7,974	720	994,921	1,082,623
Tennessee	518,580	27,811	510,606	27,091	7,974	720	518,657	985,704
Alabama								
Mississippi								
	476,287	30,216	476,287	30,216			476,264	127,180
West South Central	1,602,460	103,765	1,562,435	100,058	40,025	3,707	1,603,159	363,423
Arkansas	474,309	33,283	435,033	(d)	39,276	(d)	474,432	475,101
Texas								
Louisiana								
	1,128,151	70,482	1,127,402	70,408	749	74	1,128,727	1,480,742
Pacific	2,030,524	192,079	1,231,243	94,240	799,281	97,839	2,046,432	1,207,539
Washington	1,577,652	158,762	783,012	61,322	794,640	97,440	1,591,229	745,843
Oregon	433,756	32,631	430,095	32,274	3,661	357	436,078	387,705
California	19,116	686	18,136	644	980	42	19,125	74,052

<sup>a</sup> Withheld to avoid disclosing figures for individual companies.

**TABLE 6-C.—WOOD PULP PRODUCTION AND PULPWOOD CONSUMPTION: QUANTITY AND VALUE,**  
BY DIVISIONS AND STATES, 1947

[Quantities: Wood pulp in tons of 2,000 lbs., air-dry; Pulpwood in cords of 128 cubic feet; money figures in thousands of dollars]

DIVISION AND STATE	Wood pulp production		Pulpwood consumption	
	Quantity	Value f.o.b. plant <sup>1</sup>	Quantity	Value f.o.b. plant
<b>United States</b>	11,945,864	\$868,032	19,345,311	\$344,959
New England	1,474,951	110,637	2,300,805	53,447
Maine	1,237,075	83,354	1,880,525	42,243
New Hampshire	174,137	21,293	351,216	8,716
Vermont, Massachusetts, and Rhode Island	63,739	5,990	89,064	2,488
Middle Atlantic	1,003,332	79,605	1,431,319	37,761
New York	645,955	50,914	884,025	24,807
New Jersey	68,620	2,469	70,057	837
Pennsylvania	288,757	26,222	477,237	12,017
East North Central	1,268,494	100,302	2,134,374	48,801
Ohio and Illinois	113,084	5,160	131,447	2,176
Michigan	232,678	19,580	398,153	9,298
Wisconsin	922,732	75,662	1,604,774	37,328
West North Central	392,254	26,603	580,504	10,621
Minnesota	392,254	26,603	580,504	10,621
South Atlantic	3,162,321	195,389	5,289,734	78,543
Virginia	630,384	34,269	994,868	12,221
North Carolina	474,020	27,777	889,128	12,761
Florida	783,258	54,663	1,326,299	21,623
Maryland, South Carolina, and Georgia	1,274,659	78,650	2,079,439	32,038

See footnote at end of table.

TABLE 6-C.—WOOD PULP PRODUCTION AND PULPWOOD CONSUMPTION: QUANTITY AND VALUE, BY DIVISIONS AND STATES, 1947—Continued

DIVISION AND STATE	Wood pulp production		Pulpwood consumption	
	Quantity	Value f.o.b. plant <sup>1</sup>	Quantity	Value f.o.b. plant
East South Central.....	994,921	\$68,027	1,474,971	\$19,274
Tennessee and Alabama.....	518,657	27,813	830,008	10,594
Mississippi.....	476,264	30,214	644,273	8,680
West South Central.....	1,603,159	103,796	2,755,807	38,014
Arkansas and Texas.....	474,432	33,284	848,746	11,898
Louisiana.....	1,128,727	70,512	1,907,151	27,016
Pacific.....	2,046,432	193,673	3,377,707	57,598
California.....	19,125	690	15,714	254
Oregon.....	436,078	32,858	600,841	11,887
Washington.....	1,591,229	160,125	2,755,152	45,467

<sup>1</sup> Value of production calculated by multiplying production in each State by average ton value of shipments.

TABLE 6-D.—WOOD PULP: AVERAGE VALUE PER TON OF SHIPMENTS AND INTERPLANT TRANSFERS, BY KIND, 1947 AND 1939

PRODUCT	1947		1939	
	Market shipments	Interplant transfers <sup>1</sup>	Market shipments	Interplant transfers
Average, all wood pulp.....	\$115.86	\$66.41	\$41.94	\$27.14
Sulphite.....	123.83	103.37	47.17	42.21
Bleached.....	125.63	110.08	53.00	47.69
Unbleached.....	116.07	93.45	32.42	34.66
Sulphate.....	116.02	65.48	32.34	23.46
Bleached.....	145.30	79.52	42.14	41.47
Unbleached.....	107.88	61.86	26.80	21.22
Soda.....	113.55	85.72	45.20	44.51
Groundwood.....	66.61	46.16	27.70	16.87
Miscellaneous wood pulp.....	26.00	44.84	13.57	16.87
Pulp (other than wood).....	323.13	376.22	107.35	50.07

<sup>1</sup> See text for explanation of adjustments.<sup>2</sup> All screenings.<sup>3</sup> Principally waste paper pulp.TABLE 7-A.—PULPWOOD CONSUMPTION AND WOOD PULP PRODUCTION, BY PULPING PROCESS: 1947, 1939, AND 1929  
[Quantities: Pulpwood in cords of 128 cubic feet; Wood pulp in tons of 2,000 lbs., air-dry]

PULPING PROCESS	1947		1939		1929	
	Pulpwood consumption	Wood pulp production	Pulpwood consumption	Wood pulp production	Pulpwood consumption	Wood pulp production
Total.....	(Cords) 19,345,311	(Tons) 11,945,864	(Cords) 10,816,466	(Tons) 6,993,334	(Cords) 7,645,011	(Tons) 4,862,885
Sulphite.....	5,610,164	2,795,962	3,689,420	1,940,452	3,420,640	1,681,511
Sulphate.....	9,488,846	5,356,710	4,859,020	2,902,667	1,701,359	918,084
Soda.....	956,659	491,580	704,309	441,566	925,371	520,729
Groundwood.....	2,008,564	2,049,814	1,315,727	1,444,875	1,559,788	1,637,653
Screenings.....	114,483	114,483	40,127	40,127	64,427	64,427
Other pulping processes.....	1,281,078	1,137,315	187,990	151,658	37,847	40,481

TABLE 7-B.—PULPWOOD CONSUMPTION: QUANTITY AND COST, BY KIND, 1947, 1939, AND 1929, AND QUANTITY BY PULPING PROCESS, 1947  
[Quantities in cords of 128 cubic feet; money figures in thousands of dollars]

KIND OF WOOD	1929		1939		1947		Quantity by pulping process in 1947				
	Quantity	Cost f.o.b. plant	Quantity	Cost f.o.b. plant	Quantity	Cost f.o.b. plant	Sulphite	Sulphate	Soda	Groundwood	All other
Total.....	7,645,011	\$100,054	10,816,466	\$84,539	19,345,311	\$344,959	5,610,164	9,488,846	956,659	2,008,564	1,281,078
Spruce and true fir.....	3,575,198	n.a.	2,992,088	35,731	3,905,172	102,956	2,641,163	174,552	4,541	1,114,072	60,244
Hemlock.....	1,324,649	n.a.	2,218,678	15,148	2,904,817	53,000	2,310,310	441,251	3,777	149,473	40,244
Jack pine.....	195,577	n.a.	359,755	3,355	797,113	15,532	25,046	664,871	-----	76,052	257,203
Southern pine.....	1,036,272	n.a.	3,834,644	20,126	8,144,772	117,643	229,607	7,322,070	90,620	236,254	55,076
Poplar (aspen and popple).....	487,295	n.a.	477,273	4,641	881,679	16,531	241,749	90,164	334,435	150,655	56,655
Northern mixed hardwoods.....	76,950	n.a.	241,039	2,318	577,007	11,825	132,608	285,005	212,240	2,813	366,605
Southern mixed hardwoods.....	39,685	n.a.	111,700	722	839,545	12,322	257,015	212,240	17,023	265,064	444,451
Other, including slabs and mill waste.....	906,485	n.a.	581,289	2,498	1,205,206	14,490	62,422	416,246	-----	-----	-----

n.a.—Not available.

TABLE 7-C.—PULPWOOD CONSUMPTION: QUANTITY AND COST, BY KIND AND CONDITION, 1947

[Quantities in cords of 128 cubic feet; money figures in thousands of dollars]

KIND OF WOOD	Total		Rough		Peeled and rossed	
	Cords	Cost f.o.b. plant	Cords	Cost f.o.b. plant	Cords	Cost f.o.b. plant
<b>Total</b> .....	19,345,311	\$344,959	16,891,995	\$289,181	2,453,316	\$55,778
<b>Softwood, total</b> .....	16,795,854	302,260	15,347,979	266,018	1,447,875	36,242
Spruce and true fir.....	3,995,172	102,956	3,117,465	76,635	877,707	26,321
Douglas fir.....	204,904	3,116	204,904	3,116	(d)	(d)
Hemlock.....	2,904,817	53,660	2,736,670	50,035	168,147	3,625
Jack pine.....	797,113	15,532	741,841	14,385	55,272	1,147
Southern pine.....	8,144,772	117,643	7,850,385	113,198	294,387	4,445
Other, including slabs and mill waste.....	749,076	9,353	696,714	8,649	52,362	704
<b>Hardwood, total</b> .....	2,549,457	42,699	1,544,016	23,163	1,005,441	19,536
Northern mixed hardwoods.....	577,007	11,825	368,092	7,244	208,915	4,581
Poplar (aspen and popple).....	881,679	16,531	351,577	5,577	530,102	10,954
Southern mixed hardwoods.....	839,545	12,322	655,492	9,498	184,053	2,824
Other, including slabs and mill waste.....	251,226	2,021	168,855	844	82,371	1,177

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

TABLE 7-D.—PULPWOOD CONSUMPTION: QUANTITY, COST, AND AVERAGE COST PER CORD, SPECIFIED YEARS, 1899-1947

[Money figures in thousands of dollars]

YEAR	Quantity (cords)	Cost f.o.b. plant	Average cost per cord
1947.....	19,345,311	\$344,959	\$17.83
1939.....	10,816,466	84,539	7.82
1938.....	9,193,991	74,433	8.10
1937.....	10,393,800	82,885	7.97
1936.....	8,715,916	67,161	7.71
1935.....	7,628,274	58,244	7.64
1934.....	6,796,650	52,506	7.73
1933.....	6,581,674	48,508	7.37
1931.....	6,722,766	73,524	10.94
1929.....	7,645,011	100,054	13.09
1919.....	5,447,832	87,386	15.95
1909.....	4,001,007	34,477	8.62
1899.....	1,986,310	9,837	4.95

TABLE 7-E.—PULPWOOD CONSUMPTION AND WOOD PULP PRODUCTION, QUANTITY AND VALUE, BY PULPWOOD REGIONS: 1947

[Money figures in thousands of dollars]

REGION	Wood pulp production		Pulpwood consumption	
	Quantity (tons, air-dry)	Value f.o.b. plant <sup>1</sup>	Quantity (cords)	Value f.o.b. plant
<b>United States</b> .....	11,945,864	\$968,032	19,345,311	\$344,959
Northeast.....	2,284,976	174,233	3,421,328	83,979
Appalachian.....	1,010,518	63,719	1,735,138	27,802
Lake States.....	1,617,674	123,729	2,642,647	57,987
South.....	4,986,264	312,678	8,168,491	117,593
Pacific Coast.....	2,046,432	193,673	3,777,707	57,598

<sup>1</sup> Value of production calculated by multiplying production in each State in each region by average ton value of shipments.

TABLE 8.—PULP-MAKING EQUIPMENT: NUMBER AND DAILY AND ANNUAL CAPACITY AS OF DECEMBER 31 AND PRODUCTION-CAPACITY RATIO, BY TYPE OF EQUIPMENT, 1947 AND 1939

TYPE OF EQUIPMENT	1947					1939				
	Number	Capacity (year end)		Pulp production (tons)	Production- capacity ratio	Number	Capacity (year end)		Pulp production (tons)	Production- capacity ratio
		Per 24 hours (tons)	Maximum annual <sup>1</sup> (tons)				Per 24 hours (tons)	Annual <sup>1</sup> (tons)		
<b>Total</b> .....		39,919	13,375,276	12,088,965	90.4		29,032	8,999,920	7,133,478	79.5
Digestors, total.....	960	29,823	10,081,928	9,231,386	91.6	852	22,184	6,877,040	5,662,476	82.4
Sulphite.....	340	8,944	2,955,080	2,795,962	94.6	359	8,145	2,524,950	1,946,452	77.1
Sulphate.....	387	17,016	5,836,464	5,356,710	91.8	268	10,866	3,368,460	2,962,657	86.9
Soda.....	103	1,589	525,940	491,580	93.5	145	1,814	562,340	441,565	78.5
Semichemical.....	77	1,561	524,164	444,033	84.7	33	499	154,690	151,658	98.0
Other (principally rotaries for cotton linter pulp).....	37	713	240,280	143,101	59.5	47	860	2,266,600	1,160,144	60.1
Grinders for groundwood pulp.....	709	7,540	2,450,121	2,049,814	83.7	974	6,848	2,122,880	1,444,875	68.1
Defibrators, including Asplund defibrators and similar equipment.....	103	2,556	843,227	693,282	82.2				46,127	
Screenings, unclassified.....				114,483						

NOTE: Two soda pulp digestors, 16 tons daily capacity; 5 sulphite digestors, daily capacity 176 tons; 29 grinders, daily capacity 311 tons; and 3 defibrators, daily capacity 79 tons, were reported idle in 1947. This equipment is not included in tabulated data.

<sup>1</sup> Maximum annual capacity in 1947 is actual daily capacity multiplied by the maximum number of working days which each pulp mill reported that it could operate in a year under ideal manufacturing and marketing conditions. Annual capacity in 1939 is daily capacity reported on a 6-day operating week basis multiplied by 310 days.

Daily capacity is not strictly comparable in the two years. The annual capacities are comparable.

<sup>2</sup> Includes some equipment for pulping rags, straw, and waste paper in paper and board mills for own use and some unclassified equipment for making wood pulp.

# PAPER AND BOARD INDUSTRY

This section shows commodity, fibrous material consumption, and machine information for the paper and board industry. Tables 6-A through 6-D contain commodity statistics for the industry; table 7, fibrous consumption data; and tables 8-A and 8-B, information on machine capacity and activity.

To achieve maximum comparability with previous census years, the commodity statistics for this industry are shown on the basis of the classification of products in effect in 1939 in table 6-A. Production and shipment information on the basis of the more detailed classification of products in effect in 1947 is shown in table 6-B. Data on the total quantity and value of paper and board production and the consumption of wood pulp and other fibrous material by State and geographic division are shown in table 6-C. Production of the major grades of paper

and board by geographic divisions is shown in table 6-D.

Data on the consumption of wood pulp and other fibrous materials in the manufacture of major grade groups of paper and board are shown in table 7. This marks the first time that the fibrous material furnish of the major grades of paper and board have been measured in census reports on this industry. These data complete the measurements of material flows through the first two levels in pulp and paper manufacture.

The number, daily and annual capacity of the paper making machines in operation on December 31, by type of machine and by grade of paper and board, are shown in table 8-A. Actual production during the year is compared to annual capacity in table 8-B.

TABLE 6-A.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE (BASED ON 1939 CLASSIFICATION),  
TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars. See table 6-B for detail classification of grades used in 1947]

GRADE	1947			1939	
	Production	Shipments		Production	
	Quantity (short tons)	Quantity (short tons)	Value	Quantity (short tons)	Value
Paper and board, total.....	21,114,000	21,045,629	\$2,808,010	13,509,642	\$848,916
Paper, total, including building paper.....	10,705,018	10,684,508	1,776,851	7,484,148	609,326
Newsprint, total.....	833,038	847,182	68,457	954,259	39,765
Standard, in rolls.....	833,038	847,182	68,457	925,897	38,627
Standard, in sheets, and special grades.....				28,362	1,138
Groundwood paper, total.....	821,318	817,161	105,709	540,342	33,877
Hanging stock.....	128,182	127,596	15,462	110,781	6,943
Printing grades.....	546,008	542,704	69,301	268,208	18,271
Other groundwood paper.....	147,128	146,861	20,946	155,353	8,663
Book paper, total.....	2,207,923	2,200,369	382,682	1,534,591	138,846
Printing grades.....	1,696,570	1,690,858	293,530	1,131,666	104,860
Converting grades, total.....	498,368	496,433	87,018	374,793	30,764
Body stock for coated book.....	283,264	283,189	48,375	275,000	22,429
Other converting.....	215,104	213,244	38,643	99,784	8,335
Other book paper.....	12,985	13,078	2,134	28,132	3,222
Fine paper, total.....	1,171,539	1,161,093	345,214	723,102	107,116
Writing paper, total.....	918,349	913,309	253,257	594,594	83,973
Rag content.....	174,110	170,609	75,400	83,897	24,625
Chemical wood pulp.....	744,239	742,700	177,857	510,697	59,348
Bristol, except rag and bogus, total.....	86,801	86,140	19,928	70,474	8,990
Index, except rag.....	61,254	61,387	13,541	28,782	3,505
Mill (printing).....	17,683	16,795	4,631	45,420	5,025
Uncoated postcard.....	4,143	4,191	768	5,263	460
Other, except rag and bogus.....	3,721	3,767	988		
Cover paper.....	65,257	64,048	16,130	19,401	3,449
Text paper.....	27,921	27,853	8,601	12,339	2,305
Thin paper.....	73,211	69,743	47,298	17,204	8,399
Coarse paper, total.....	2,903,450	2,896,776	452,211	2,238,993	174,405
Wrapping paper, total.....	758,739	756,210	119,556	814,225	64,378
Kraft, M. F. and M. G.....	346,026	351,282	45,801	446,922	30,831
Glassine, greaseproof and vegetable parchment.....	91,711	94,028	28,311	74,444	14,318
Other wrapping.....	321,002	310,900	45,444	292,859	19,229
Bag paper, total.....	1,223,689	1,223,106	164,783	675,880	39,929
Kraft.....	495,665	497,217	56,224	637,540	36,125
Other than kraft.....	44,199	43,790	7,242	38,340	3,804
Glassine, greaseproof and vegetable parchment.....	12,936	12,327	4,129		
Shipping sack paper.....	670,889	669,772	97,188		
Converting paper, total.....	921,022	917,460	167,872	748,888	70,098
Waxing (other than kraft) 18 lb. and up.....	152,426	151,421	28,547	141,007	15,801
Other, except kraft.....	170,367	170,428	41,529	411,399	38,421
Kraft converting stock.....	598,229	595,611	97,796	196,472	15,876

See footnotes at end of table.

TABLE 6-A.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE (BASED ON 1939 CLASSIFICATION),  
TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

GRADE	1947			1939	
	Production	Shipments		Production	
	Quantity (short tons)	Quantity (short tons)	Value	Quantity (short tons)	Value
Special industrial paper.....	289,499	288,201	\$66,185	( <sup>1</sup> )	( <sup>1</sup> )
<b>Tissue paper, except thin, total.....</b>	<b>1,088,656</b>	<b>1,085,092</b>	<b>209,164</b>	<b>648,429</b>	<b>\$56,132</b>
Sanitary grades, total.....	894,032	893,558	164,139	484,288	37,109
Toweling stock.....	205,850	205,959	32,788	129,105	9,157
Toilet tissue stock.....	416,610	416,368	72,370	285,085	21,358
Table napkin stock.....	103,813	103,605	20,328	70,098	6,594
Other sanitary grades.....	167,759	167,626	38,653		
<b>Tissue grades, total.....</b>	<b>194,624</b>	<b>191,534</b>	<b>45,025</b>	<b>164,141</b>	<b>19,023</b>
Waxing (less than 18 lb.).....	41,065	41,006	8,236	39,147	3,875
Wrapping (less than 18 lb.).....	57,844	57,573	14,774	56,263	6,908
Pattern tissue stock.....	9,912	7,055	1,696	2,305	390
Sales-book tissue stock.....	1,442	1,389	363	2,319	372
Twisting stock.....	26,136	26,037	7,235	7,305	1,075
All other.....	58,425	58,474	12,721	56,802	6,403
<b>Absorbent paper, total.....</b>	<b>100,486</b>	<b>99,504</b>	<b>34,081</b>	<b>121,717</b>	<b>19,606</b>
Blotting.....	13,078	14,041	3,955	10,693	1,883
Filter.....	4,747	6,220	2,840	1,505	425
Matrix paper and board.....	9,254	9,035	4,301	3,463	1,510
Vulcanized fibre stock.....	32,805	30,303	8,865	13,647	2,323
Other.....	40,602	39,905	14,119	92,409	13,465
<b>Building paper.....</b>	<b>1,289,109</b>	<b>1,289,130</b>	<b>113,148</b>	<b>659,090</b>	<b>31,105</b>
Sheathing.....	27,336	39,401	4,087	44,408	1,540
Felts.....	1,116,391	1,104,706	87,180	567,866	24,944
Asbestos.....	97,119	96,760	10,592	42,815	4,476
Other.....	48,263	48,263	11,279	4,201	145
Other paper, not specified by kind.....				63,625	8,474
<b>Board, total.....</b>	<b>10,408,982</b>	<b>10,361,121</b>	<b>1,031,159</b>	<b>6,025,494</b>	<b>239,590</b>
<b>Container board, total.....</b>	<b>4,943,694</b>	<b>4,931,855</b>	<b>456,209</b>	<b>3,361,441</b>	<b>118,202</b>
Liners, total.....	3,293,234	3,286,211	312,141	2,343,145	85,494
Kraft.....	1,927,844	1,926,381	183,612	1,365,523	50,777
Jute.....	1,348,706	1,343,945	126,642	819,654	28,353
Other.....	16,684	15,885	1,987	137,968	6,364
Straw corrugating.....	409,871	421,837	36,645	399,189	12,193
Container chip.....	279,968	278,214	21,473	450,995	14,132
Other container.....	960,621	945,593	85,950	168,112	6,383
<b>Folding boxboard, including similar boards used for other purposes, total.....</b>	<b>2,757,889</b>	<b>2,753,610</b>	<b>294,439</b>	<b>1,359,961</b>	<b>60,868</b>
Manila-lined (all lined boards).....	1,141,702	1,141,693	104,724	784,725	33,734
Patent coated.....	568,260	567,754	62,771	262,029	14,461
Other folding boxboard.....	1,047,927	1,044,163	126,944	313,207	12,673
<b>Setup boxboard, including similar boards used for other purposes, total.....</b>	<b>934,592</b>	<b>929,561</b>	<b>80,867</b>	<b>865,485</b>	<b>30,110</b>
Chip and straw.....				414,335	13,548
Newsboard.....	45,538	45,551	3,689	251,959	7,683
Other (including tube, egg case, etc.).....	889,054	884,010	77,178	199,191	8,869
<b>Cardboard, total.....</b>	<b>91,838</b>	<b>91,188</b>	<b>16,513</b>	<b>58,874</b>	<b>4,840</b>
Blanks and miscellaneous.....	41,238	41,345	6,926	21,911	1,763
Clay coated.....	50,590	49,843	9,587	31,669	2,697
Other.....				5,294	480
Other paperboard.....	500,786	496,435	50,917	211,460	16,276
<b>Wet machine board, total.....</b>	<b>107,791</b>	<b>106,923</b>	<b>15,375</b>	<b>53,768</b>	<b>3,739</b>
Binders board.....	52,596	52,453	5,929	28,054	1,761
Leatherboard.....	55,195	54,470	9,446	25,714	1,978
<b>Building board.....</b>	<b>1,072,372</b>	<b>1,051,549</b>	<b>116,839</b>	<b>114,505</b>	<b>5,555</b>

<sup>1</sup> Does not include an estimate of 365,000 tons of building board valued at \$14,996 million which was classified in the Wallboard (Except Gypsum and Plasterboard) Industry in 1939.

<sup>2</sup> Special industrial paper included with coarse paper.

TABLE 6-B.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947

[Quantities in tons of 2,000 lbs.; money figures in thousands of dollars]

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Paper and board, total	21,045,629	\$2,808,010	6,784,517	\$752,174	14,261,112	\$2,055,836	21,114,000
Paper, total	9,395,378	1,663,703	2,105,487	332,152	7,289,891	1,331,551	9,415,909
Newsprint	847,182	68,457			847,182	68,457	833,038
Ground wood paper, total	817,161	105,709			817,161	105,709	821,318
Ground wood publication and printing paper, total	542,704	69,301			542,704	69,301	546,008
A Grade	419,094	54,212			419,094	54,212	426,742
B Grade	123,610	15,089			123,610	15,089	119,266
Ground wood converting paper, total	240,040	31,603			240,040	31,603	240,024
Hanging	127,596	15,462			127,596	15,462	128,182
Box lining and covering	16,618	2,186			16,618	2,186	16,639
Body stock for coating	41,333	5,364			41,333	5,364	41,630
Other ground wood converting paper	54,493	8,591			54,493	8,591	54,473
Miscellaneous ground wood paper, total	34,417	4,805			34,417	4,805	34,386
Writing and mimeograph	5,604	794			5,604	794	5,709
Railroad manila	4,157	522			4,157	522	4,143
Poster	6,662	908			6,662	908	6,638
Other miscellaneous ground wood paper	17,904	2,581			17,904	2,581	17,836
Book paper, total	2,200,369	382,682	239,567	40,361	1,960,802	342,321	2,207,923
Book publication and printing paper, total	1,690,858	293,630	7,352	1,328	1,683,506	292,202	1,699,570
Plain	337,847	63,807	2,783	431	335,064	63,370	335,532
Supercalendered	478,230	70,037			478,230	76,037	480,074
Paper machine coated, including both ground wood and book grades, total	623,724	100,609	2,035	438	621,689	100,171	626,990
Coated one side	35,236	7,928			35,236	7,928	35,875
Coated two sides	588,488	92,681	2,035	438	586,453	92,243	591,124
Offset	212,505	46,142	2,534	460	209,971	45,683	215,443
Other publication and printing paper	38,552	6,936			38,552	6,936	38,522
Book converting paper, total	496,433	87,018	232,215	39,033	264,218	47,985	498,368
Body stock for coating	283,189	48,375	217,026	36,239	66,163	12,136	283,204
Envelope	121,569	21,914	14,589	2,794	107,010	19,120	123,453
Tablet	62,685	10,631			62,685	10,631	61,080
Other book converting paper	28,900	6,098			28,900	6,098	29,962
Miscellaneous book paper	13,078	2,134			13,078	2,134	12,986
Fine paper, total	1,161,093	345,214	24,873	7,953	1,136,220	337,261	1,171,539
Writing paper, total	913,309	253,257	24,873	7,953	888,436	245,304	918,349
Containing rags, etc., total	170,609	75,400			170,609	75,400	174,110
Bond and writing	83,691	35,615			83,691	35,615	85,676
Ledger	18,973	8,719			18,973	8,719	19,754
Manifold	5,986	4,039			5,986	4,039	6,354
Mimeograph, gelatin and spirit process	4,028	630			4,028	630	3,902
Index	8,837	3,900			8,837	3,900	9,053
Reproduction	21,465	8,946			21,465	8,946	21,479
Papeterie and wedding	11,465	4,946			11,465	4,946	11,695
Protective and check	7,438	3,689			7,438	3,689	7,386
Map and chart	2,166	920			2,166	920	2,253
Drawing, mechanical and detail	3,248	2,156			3,248	2,156	3,258
Other writing, containing rags	3,312	1,780			3,312	1,780	3,301
Chemical wood pulp writing paper, total	742,700	177,857	24,873	7,953	717,827	169,904	744,239
Bond and writing	451,223	102,715	9,421	1,886	441,802	100,820	450,597
Ledger	32,351	8,001			32,351	8,001	32,258
Manifold	21,058	6,381			21,058	6,381	21,100
Mimeograph	69,698	16,000			69,698	16,000	71,200
Gelatin and spirit process	28,485	6,780			28,485	6,780	28,794
Map and chart	3,644	936			3,644	936	3,568
Drawing, mechanical and detail	2,170	551			2,170	551	2,362
Papeterie and wedding	81,853	21,333			81,853	21,333	82,196
Protective and check	18,036	4,314			18,036	4,314	18,350
Reproduction	18,095	7,232	15,452	6,067	2,643	1,165	17,757
Opaque circular	8,943	2,108			8,943	2,108	8,919
Other chemical wood pulp writing paper	7,144	1,506			7,144	1,506	7,078
Bristol, except rag index and bogus, total	86,140	19,928			86,140	19,928	86,801
Index (chemical wood pulp)	61,387	13,541			61,387	13,541	61,254
Printing	16,795	4,631			16,795	4,631	17,083
Uncoated postcard	4,191	768			4,191	768	4,143
Other bristol, except rag index and bogus	3,767	988			3,767	988	3,721
Cover	64,048	16,130			64,048	16,130	65,257
Text	27,853	8,601			27,853	8,601	27,921
Thin paper, total	69,743	47,298			69,743	47,298	73,211
Carbonizing, free from ground wood pulp	25,056	9,714			25,056	9,714	26,135
Condenser	5,980	6,537			5,980	6,537	6,870
Cigarette	31,781	26,202			31,781	26,202	33,254
Other thin paper	6,926	4,845			6,926	4,845	6,952
Coarse paper, total	2,896,776	452,211	1,059,005	144,470	1,837,771	307,741	2,903,450
Wrapping paper, total	756,210	119,556	97,529	12,782	658,681	106,774	758,739
Kraft, total	351,282	45,801	35,900	3,437	315,382	42,364	340,026
M.F. and M.G. wrapping paper	49,249	6,116			49,249	6,116	48,755
Glassine, greaseproof, and vegetable parchment	302,033	39,685	35,900	3,437	266,073	36,248	297,271
Other wrapping paper, total	94,028	28,311	16,811	4,081	77,217	23,630	91,711
Butchers	310,900	45,444	44,768	4,664	266,142	40,780	321,002
Grocers and imitation parchment	131,350	19,107			131,350	19,107	129,860
Screenings, core stock, bogus and mill wrappers	13,807	1,850			13,807	1,850	13,474
M.F. and M.G. wrapping paper	90,407	10,216	37,510	3,385	52,897	6,831	102,827
Other wrapping paper	75,336	14,271	7,248	1,270	68,088	12,092	74,841



TABLE 6-B.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947—Continued

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Coarse paper—Continued							
Bag paper, total	553,334	\$67,595	397,546	\$44,786	155,788	\$22,809	552,800
Kraft, total	497,217	56,224	378,756	42,146	118,461	14,078	495,665
Grocery and variety bag stock	476,585	52,834	378,756	42,146	97,829	10,688	475,555
Other kraft stock	20,632	3,390			20,632	3,390	20,110
Glassine, greaseproof and vegetable parchment	12,327	4,129			12,327	4,129	12,936
Other bag paper	43,790	7,242	18,790	2,640	25,000	4,602	44,199
Shipping sack paper, total	669,772	97,188	344,186	49,421	325,586	47,767	670,889
Kraft, total	644,943	91,320	328,825	45,842	316,118	45,478	646,653
Meeting minimum standards Fed. Spec. UU-8-48	467,770	63,959	204,770	28,863	263,000	35,096	466,046
Other kraft shipping sack paper	177,173	27,361	124,055	16,979	53,118	10,382	180,607
Bleached and semibleached shipping sack paper	8,402	1,962			8,402	1,962	8,305
Rope and combination rope and kraft shipping sack paper	16,427	3,906	15,361	3,579	1,066	327	15,931
Converting paper, total	917,460	167,872	219,744	37,481	697,716	130,391	921,022
Kraft, total	595,611	97,796	143,835	22,990	451,776	74,806	588,229
Asphalting, including creped or creping stock for asphalting	188,864	27,429	64,685	8,154	124,179	19,275	188,018
Creping, except stock for asphalting, impregnating, laminating, and toweling	20,985	3,148	718	91	20,267	3,057	21,904
Envelope stock	64,126	10,025			64,126	10,025	63,161
Gumming stock	80,053	12,747	29,117	5,748	50,936	6,999	80,411
Twisting and spinning stock (18 lbs. and up)	23,607	5,208			23,607	5,208	23,651
Waxing stock (18 lbs. and up)	110,508	21,092	35,394	6,712	75,114	14,380	93,705
Other kraft converting paper	107,468	18,147	13,921	2,285	93,547	15,862	127,379
Glassine, greaseproof and vegetable parchment	51,276	18,949			51,276	18,949	51,663
Other converting paper, total	270,573	51,127	75,909	14,491	194,664	36,636	271,130
Waxing stock (18 lbs. and up)	151,421	28,547	61,090	11,312	90,331	17,235	152,426
Cup stock (under 90 lbs.)	25,802	4,735			25,802	4,735	25,712
Envelope stock, total	24,127	4,351			24,127	4,351	24,099
Manila	10,888	1,946			10,888	1,946	10,713
Other coarse envelope paper, except Kraft	13,239	2,405			13,239	2,405	13,386
Gumming stock	7,442	1,511			7,442	1,511	7,493
Other converting stock	61,781	11,983	14,819	3,179	46,962	8,804	61,400
Special industrial paper, total	288,201	66,185	6,061	760	282,140	65,425	289,499
Abrasive paper	10,429	3,960			10,429	3,960	10,355
Cable paper	14,770	5,561			14,770	5,561	15,181
Electrical insulation and armature paper and board	12,328	5,876			12,328	5,876	13,776
Gasket paper and board	5,157	1,121			5,157	1,121	5,454
Stencil backing paper and stencil board	3,853	786			3,853	786	3,883
Tabulating card stock	55,108	9,360			55,108	9,360	56,002
File folder stock	19,556	5,421			19,556	5,421	19,248
Tag stock, including manila board	88,737	14,927			88,737	14,927	89,373
Wallet and patch stock	4,998	1,233			4,998	1,233	5,109
Press board, including imitation pressboard	12,756	3,230			12,756	3,230	12,704
Other special industrial paper	60,509	14,710	6,061	760	54,448	13,950	58,414
Sanitary paper stock, total	893,558	164,139	724,950	127,282	168,608	36,857	894,032
Sanitary napkin stock, wadding	34,454	8,123	30,462	7,053	3,992	1,070	34,069
Toweling stock, total	205,959	32,788	163,524	25,109	42,435	7,679	205,850
Industrial (bulk and dispenser types)	143,712	22,837	116,759	18,358	26,953	4,479	143,529
Household (retail packages)	62,247	9,951	46,765	6,751	15,482	3,200	62,321
Toilet tissue stock, total	416,368	72,370	338,044	54,538	78,324	17,832	416,610
Facial tissue grades	48,082	10,449	31,579	6,428	16,503	4,021	48,096
Other toilet tissue stock	368,286	61,921	306,465	48,110	61,821	13,811	368,514
Napkin stock, total	103,605	20,328	67,876	12,623	35,729	7,705	103,813
Industrial (bulk and dispenser types)	62,858	12,192	35,117	6,237	27,741	5,955	62,504
Household (retail packages)	40,747	8,136	32,759	6,386	7,988	1,750	41,309
Facial tissue stock	127,022	29,033	122,161	27,309	4,861	1,724	127,564
Other sanitary paper stock	6,150	1,497	2,883	650	3,267	847	6,126
Tissue paper, except sanitary paper and thin paper, total	191,534	45,025	27,515	4,846	164,019	40,179	194,624
Wrapping tissue	57,573	14,774	8,222	1,144	49,351	13,630	57,644
Waxing tissue stock	41,006	8,236	12,269	2,292	28,737	5,944	41,065
Twisting tissue stock	26,037	7,235			26,037	7,235	26,136
Fruit and vegetable wraps	41,058	8,455			41,058	8,455	41,259
Pattern tissue stock	7,055	1,696			7,055	1,696	9,912
Sales-book tissue stock	1,389	363			1,389	363	1,442
Crepe wadding for packing	8,938	1,973	7,024	1,410	1,914	563	8,505
Other tissue, except sanitary and thin paper grades	8,478	2,293			8,478	2,293	8,661
Absorbent paper, total	99,504	34,081	23,516	6,480	75,988	27,601	100,486
Blotting paper	14,041	3,955			14,041	3,955	13,078
Filter paper	6,220	2,840			6,220	2,840	4,747
Matrix paper and board	9,035	4,301			9,035	4,301	9,254
Vulcanizing fiber stock	30,303	8,866	23,516	6,480	6,787	2,386	32,805
Resin impregnating stock	28,359	10,458			28,359	10,458	28,792
Die wiping stock	3,590	733			3,590	733	3,462
Other absorbent paper	7,956	2,928			7,956	2,928	8,348

TABLE 6-B.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947—Continued

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Paperboard, total.....	9,161,008	\$892,745	3,647,764	\$338,269	5,513,244	\$554,476	9,186,810
Container board, total.....	4,931,855	456,209	2,092,740	186,071	2,839,115	270,138	4,943,694
Liners, total.....	3,286,211	312,141	1,332,681	122,427	1,953,530	189,714	3,293,234
Kraft.....	1,926,381	183,512	528,617	49,891	1,397,764	133,621	1,927,844
Jute.....	1,343,945	126,642	804,064	72,536	539,881	54,106	1,348,706
Other liners.....	15,885	1,987			15,885	1,987	16,684
Corrugating material, total.....	1,367,430	122,595	617,731	53,205	749,699	69,390	1,370,492
Kraft.....	170,799	18,639	115,710	11,140	55,080	7,499	171,576
Straw.....	421,837	36,645	234,570	19,536	187,267	17,109	409,871
Bogus.....	311,510	29,387	96,040	8,817	215,470	20,570	323,359
Other corrugating material.....	463,284	37,924	171,402	13,712	291,882	24,212	465,686
Container chipboard, total.....	278,214	21,473	142,328	10,430	135,886	11,034	279,968
Solid fiber board, for filler board.....	153,172	11,568	111,981	8,298	41,191	3,270	154,746
Other container chipboard.....	125,042	9,905	30,347	2,141	94,695	7,764	125,222
Bending board, total.....	2,753,610	294,439	1,165,196	118,261	1,588,414	176,178	2,787,889
Folding boxboard, total.....	2,252,755	229,186	1,072,724	104,890	1,180,031	124,296	2,256,601
Unlined chipboard.....	260,108	21,306	112,208	8,506	147,900	12,800	261,134
Single and double manila lined chipboard.....	597,761	56,240	285,380	25,229	312,381	31,011	601,168
Single and double lined chipboard, except manila.....	428,762	37,574	191,220	15,201	237,542	22,313	426,211
Coated boxboard, total.....	727,897	85,170	359,585	40,312	368,312	44,858	730,182
Patent coated, all types.....	567,754	62,771	274,919	29,591	292,835	33,180	568,260
Clay coated.....	112,261	16,598	56,542	7,573	55,719	9,025	113,517
Machine coated.....	47,882	5,801	28,124	3,148	19,758	2,653	48,405
Solid manila and chemical pulp board, bleached and unbleached, total.....	124,881	17,733	86,576	12,361	38,305	5,372	124,709
Frozen food container stock.....	16,224	2,462	6,106	866	10,118	1,506	16,118
Butter, oleo, shortening, and ice cream carton stock.....	108,557	15,271	80,470	11,495	28,187	3,776	108,591
Other folding boxboard.....	113,346	11,163	37,755	3,221	76,591	7,942	113,287
Other bending board, total.....	500,855	65,253	92,472	13,371	408,383	51,882	501,198
Unlined chipboard.....	18,131	1,682			18,131	1,082	18,214
Single and double manila lined chipboard.....	110,572	10,450			110,572	10,450	109,721
Single and double lined chipboard, except manila.....	4,598	460			4,598	460	4,602
Solid manila and chemical pulp board, total.....	363,399	52,313	92,472	13,371	270,927	38,942	364,237
Sanitary food container stock, total.....	334,573	48,567	92,472	13,371	242,101	35,196	335,460
Milk bottle stock.....	112,601	15,649	56,256	7,966	56,345	7,683	115,188
Milk bottle hood and lip cover stock.....	16,143	2,578			16,143	2,578	16,074
Liquid tight container stock.....	38,311	5,643	15,990	2,359	22,321	3,284	38,428
Cup lid stock.....	9,963	1,541			9,963	1,541	10,789
Cup and round nested food containers stock (90-lb. and up).....	79,483	11,799			79,483	11,799	78,034
Milk bottle plug stock.....	19,809	2,784			19,809	2,784	19,937
Ice cream and food pail stock.....	35,874	5,497	20,226	3,046	15,648	2,451	35,555
Plate, dish, and tray stock.....	18,622	2,712			18,622	2,712	18,074
Other sanitary container stock for liquid, moist, or oily foods.....	2,767	364			2,767	364	2,787
Other solid manila and chemical pulp board.....	28,826	3,746			28,826	3,746	28,771
Other bending board.....	4,155	348			4,155	348	4,424
Nonbending board, total.....	701,003	60,930	51,768	3,709	649,235	57,221	705,424
Setup boxboard, unpasted, total.....	590,298	50,537	39,750	2,501	550,548	48,036	594,755
Lined and unlined chipboard, total.....	546,396	47,104	39,750	2,501	506,646	44,603	550,902
News-lined.....	276,730	23,215	20,477	1,205	256,253	22,010	282,183
Other lined and unlined chipboard.....	269,666	23,889	19,273	1,296	250,393	22,593	268,719
Solid newsboard.....	39,145	2,969			39,145	2,969	39,114
Other setup boxboard.....	4,757	464			4,757	464	4,739
Other nonbending board, total.....	110,705	10,393	12,018	1,208	98,687	9,185	110,669
Lined and unlined chipboard, total.....	91,854	8,526	12,018	1,208	79,836	7,318	91,537
News-lined.....	24,486	2,349			24,486	2,349	24,265
Other lined and unlined chipboard.....	67,368	6,177	12,018	1,208	55,350	4,969	67,272
Solid newsboard.....	6,406	720			6,406	720	6,424
Other nonbending board.....	12,445	1,147			12,445	1,147	12,708
Special paperboard stock, total.....	683,352	64,654	338,060	36,228	345,292	34,426	687,945
Tube, can, and drum stock, total.....	183,500	16,365	99,739	8,160	83,821	8,196	183,417
Tube stock.....	144,786	12,467	75,899	6,969	68,887	6,498	145,012
Can and drum stock.....	38,714	3,898	23,840	2,200	14,934	1,698	38,405
Solid wood pulp board (groundwood).....	13,119	1,471			13,119	1,471	13,524
Match board.....	32,336	3,395			32,336	3,395	32,560
Egg case filler board.....	44,998	3,572	17,310	1,308	27,688	2,204	45,751
Building board stock, total.....	329,746	32,894	187,469	18,374	142,277	14,520	333,358
Liner for gypsum plaster board.....	270,538	28,422	146,209	15,775	124,324	12,647	297,527
Laminated wallboard stock.....	50,870	3,720	37,196	2,355	13,374	1,365	57,368
Other building board stock.....	8,643	752	4,064	244	4,589	508	8,463
Other special paperboard stock.....	79,593	6,957	33,552	2,317	46,041	4,040	79,335
Cardboard, total.....	91,188	16,513			91,188	16,513	91,858
Millblanks, clay coated blanks, and tag stock.....	41,345	6,226			41,345	6,926	41,268
Photomount stock.....	6,352	1,426			6,352	1,426	6,429
Bogus Bristol.....	25,835	4,190			25,835	4,190	26,043
Playing card stock.....	7,498	1,998			7,498	1,998	7,781
Railroad and poster manila.....	4,743	860			4,743	860	5,292
Other cardboard.....	5,415	1,113			5,415	1,113	5,445
Wet machine board, total.....	148,564	21,575	10,617	1,629	137,947	19,946	149,800
Binder's board.....	52,453	5,929			52,453	5,929	52,596
Shoe board.....	54,470	9,446	10,617	1,629	43,853	7,817	55,195
Other wet machine board.....	41,641	6,200			41,641	6,200	42,009

TABLE 6-B.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947—Continued

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Construction paper materials, total	2,340,679	\$229,987	1,020,649	80,124	1,320,030	\$149,863	2,361,481
Building paper, total	1,289,130	113,148	1,020,649	\$80,124	268,481	33,024	1,289,109
Sheathing paper	39,401	4,097	18,933	1,646	20,468	2,451	27,336
Felts, saturating and dry, total	1,104,706	87,180	944,058	72,062	160,648	15,118	1,116,391
Roofing felts	916,758	66,184	805,935	57,231	110,823	8,953	929,179
Floor covering	129,881	14,480	102,893	11,881	26,988	2,599	129,438
Automotive felts	32,358	3,734	20,792	1,693	11,566	2,041	31,923
Other felts	25,709	2,782	14,438	1,257	11,271	1,525	25,851
Asbestos paper and asbestos-filled paper	96,760	10,592	57,658	6,416	39,102	4,176	97,119
Other building paper including flexible insulation	48,263	11,279			48,263	11,279	48,263
Building board, total:							
Tons	1,051,549	116,839			1,051,549	116,839	1,072,372
Thousand square feet	2,829,503				2,829,503		2,876,380
Wallboard, except laminated wallboard, density over 24 pounds per cubic foot:							
Tons	284,409	36,881			284,409	36,881	301,551
Thousand square feet	712,194				712,194		745,479
Insulating wallboard, except laminated wallboard, density 24 pounds or less per cubic foot, total:							
Tons	767,140	79,958			767,140	79,958	770,821
Thousand square feet	2,117,309				2,117,309		2,130,901
Natural surface board:							
Tons	105,802	10,454			105,802	10,454	105,886
Thousand square feet	304,255				304,255		306,526
Lath for plaster board:							
Tons	29,179	2,725			29,179	2,725	29,310
Thousand square feet	85,539				85,539		88,848
Roof insulating board:							
Tons	37,447	3,950			37,447	3,950	38,426
Thousand square feet	101,776				101,776		107,253
Interior board, factory finished, total:							
Tons	398,908	39,765			398,908	39,765	399,513
Thousand square feet	1,113,082				1,113,082		1,115,038
Building board:							
Tons	229,896	20,045			229,896	20,045	230,337
Thousand square feet	639,731				639,731		641,018
Panels, including tile board:							
Tons	73,733	9,065			73,733	9,065	73,975
Thousand square feet	192,133				192,133		193,004
Plank:							
Tons	11,934	1,471			11,934	1,471	11,869
Thousand square feet	31,965				31,965		31,803
Other interior board:							
Tons	83,345	9,184			83,345	9,184	83,332
Thousand square feet	249,253				249,253		249,213
Sheathing board:							
Tons	81,199	8,697			81,199	8,697	80,680
Thousand square feet	197,822				197,822		196,737
Other insulating wallboard (not laminated):							
Tons	114,605	14,367			114,605	14,367	117,006
Thousand square feet	314,835				314,835		316,499

TABLE 6-C.—QUANTITY AND VALUE OF PRODUCTION, 1947 AND 1939, AND WOOD PULP AND FIBROUS MATERIALS CONSUMPTION IN PAPER AND BOARD MANUFACTURE, 1947, BY DIVISIONS AND STATES

[Money figures in thousands of dollars]

PRODUCT	1947				1939	
	Paper and board production		Wood pulp consumption (tons)	Fibrous materials consumption (tons)	Paper and board production	
	Tons	Value, f.o.b. mill <sup>1</sup>			Tons	Value f.o.b. mill
United States.....	21,114,000	\$2,819,082	13,285,435	9,498,037	13,509,642	\$848,916
New England.....	2,696,872	447,291	1,938,947	920,588	1,972,673	160,867
Maine.....	1,255,582	166,139	1,240,266	40,776	1,034,976	66,158
New Hampshire.....	223,713	45,854	199,246	41,401	166,211	15,297
Vermont.....	102,519	19,762	95,320	26,635	83,298	6,324
Massachusetts.....	742,066	(3)	342,425	471,457	519,459	62,117
Rhode Island and Connecticut.....	372,962	(4)	61,090	349,229	168,720	10,971
Middle Atlantic.....	4,248,504	622,602	2,011,045	2,591,962	3,043,700	204,455
New York.....	1,849,873	289,120	1,127,047	874,099	1,350,857	101,009
New Jersey.....	1,105,145	141,724	265,419	1,004,003	740,891	37,922
Pennsylvania.....	1,293,486	194,658	617,979	713,257	910,162	65,524
East North Central.....	5,559,882	775,295	2,308,508	3,764,535	4,036,861	261,077
Ohio.....	1,463,461	209,816	483,243	1,114,774	961,205	63,014
Indiana.....	391,693	40,815	40,171	440,956	267,056	12,327
Illinois.....	776,221	69,138	140,166	777,922	571,589	22,986
Michigan.....	1,536,490	217,352	589,623	1,000,060	1,225,977	74,955
Wisconsin.....	1,392,017	238,174	1,055,305	331,823	1,010,974	87,795
West North Central.....	860,810	95,549	509,382	431,331	301,774	16,776
Minnesota.....	860,810	95,549	509,382	431,331	301,774	16,776
Iowa.....						
Missouri.....						
Kansas.....						
South Atlantic.....	3,210,737	373,937	2,843,515	586,065	1,235,909	64,820
Delaware.....	50,291	12,639	19,675	40,509	14,843	1,984
Maryland and District of Columbia.....	265,867	33,422	101,012	173,822	155,525	8,489
Virginia.....	740,277	85,001	644,191	134,567	510,844	20,335
West Virginia.....	25,713	3,200	3,151	25,580	55,897	4,260
North Carolina.....	389,236	63,850	336,821	101,327	128,022	9,627
South Carolina and Georgia.....	1,099,948	102,444	1,082,623	94,067	(3)	(3)
Florida.....	683,405	73,291	655,142	16,103	370,778	14,125
East South Central.....	1,047,836	121,103	985,704	128,539	116,374	5,619
Tennessee.....	211,284	21,414	127,180	103,269	116,374	5,619
Alabama.....	374,512	42,234	383,423	25,280	(3)	(3)
Mississippi.....	462,040	57,455	475,101	(3)	(3)	(3)
West South Central.....	1,787,188	194,722	1,480,742	453,107	593,902	25,650
Arkansas and Texas.....	444,629	50,303	351,640	107,440	(3)	(3)
Louisiana.....	1,342,559	144,419	1,129,102	345,721	593,902	25,650
Pacific and Mountain.....	1,702,171	188,083	1,207,592	612,860	1,107,825	61,374
Washington.....	816,709	101,443	745,833	108,371	552,577	32,387
Oregon.....	371,626	44,770	387,704	2,370	290,402	15,399
California, Colorado, and Arizona.....	513,836	42,470	74,055	502,103	264,846	13,588
Other States in 1939.....					1,107,624	48,278

<sup>1</sup> Withheld to avoid disclosing figures for individual companies.<sup>2</sup> Value of production calculated by multiplying production in each State by average ton value of shipments.<sup>3</sup> Does not include an estimate of 365,000 tons of building board valued at \$14,996,000, which was classified in the Wallboard (except Gypsum and Plaster Board) Industry in 1939.<sup>4</sup> Quantity and value data for 1939 included in "Other States."

TABLE 6-D.—PAPER AND BOARD: PRODUCTION BY MAJOR GRADE, BY DIVISIONS, 1947

[Quantities in tons of 2,000 lbs.]

MAJOR GRADE	United States	Division						
		New England	Middle Atlantic	North Central	South Atlantic	East South Central	West South Central	West
<b>Total</b> .....	21, 114, 000	2, 696, 872	4, 248, 504	6, 420, 692	3, 210, 737	1, 047, 836	1, 787, 188	1, 702, 171
Newsprint.....	833, 038	494, 697	(d)	24, 171	(d)	(d)	(d)	258, 038
Groundwood.....	821, 318	242, 519	302, 172	235, 485	(d)	(d)	(d)	33, 809
Book.....	2, 207, 023	357, 181	559, 046	940, 404	190, 495	(d)	(d)	46, 071
Fine.....	1, 171, 539	313, 892	241, 250	433, 550	80, 214	(d)	(d)	78, 173
Coarse.....	2, 903, 450	293, 102	278, 606	554, 361	571, 374	372, 758	486, 171	347, 088
Special industrial.....	289, 499	105, 526	69, 853	28, 364	(d)	(d)	(d)	16, 412
Sanitary.....	804, 032	133, 433	425, 393	254, 855	(d)	(d)	(d)	65, 790
Tissue.....	194, 624	(d)	78, 934	61, 058	(d)	(d)	(d)	42, 884
Absorbent.....	100, 486	17, 963	38, 825	16, 322	(d)	(d)	(d)	(d)
Container board.....	4, 943, 694	105, 136	509, 806	1, 524, 380	26, 611	77, 951	687, 898	337, 123
Bending board.....	2, 757, 889	302, 266	666, 155	1, 165, 213	277, 871	38, 514	113, 703	194, 137
Nonbending board.....	705, 424	81, 042	349, 071	188, 889	68, 034	(d)	(d)	24, 961
Special paperboard stock.....	687, 945	34, 705	180, 276	282, 560	106, 341	(d)	(d)	56, 071
Cardboard.....	91, 858	40, 382	(d)	22, 137	(d)	(d)	(d)	2, 511
Wet machine board.....	140, 800	44, 241	42, 581	59, 209	(d)	(d)	(d)	(d)
Building paper.....	1, 289, 109	59, 267	443, 813	463, 835	(d)	(d)	100, 084	134, 090
Building board.....	1, 072, 372	(d)	36, 722	205, 849	97, 254	418, 845	(d)	63, 940
Withheld to avoid disclosures.....		71, 400	24, 501		85, 375	140, 268	399, 332	1, 073

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.

TABLE 7.—FIBROUS MATERIALS: CONSUMPTION BY KIND IN THE MANUFACTURE OF PAPER AND BOARD, 1947 AND 1939, AND BY MAJOR GRADE GROUP, 1947

[Quantities in tons of 2,000 lbs.]

KIND OF MATERIAL	1939	1947, total	Major grade group in 1947									
			Newsprint and groundwood paper	Book, fine, and absorbent paper	Coarse and special industrial paper	Tissue paper and sanitary stock	Container board	Bending board	Non-bending board	Other paperboard	Building paper and flexible insulation	Building board
Production of paper and board.....	13, 874, 642	21, 114, 000	1, 654, 356	3, 479, 948	3, 192, 949	1, 088, 656	4, 943, 694	2, 757, 889	705, 424	929, 603	1, 289, 109	1, 072, 372
Fibrous materials, total.....	14, 113, 133	22, 787, 525	1, 697, 452	3, 469, 637	3, 412, 757	1, 181, 813	5, 553, 749	2, 978, 698	807, 092	1, 033, 542	1, 439, 729	1, 213, 056
Wood pulp, total.....	8, 650, 423	13, 285, 435	1, 674, 176	2, 590, 639	3, 201, 292	1, 024, 342	2, 744, 426	649, 338	11, 952	163, 156	365, 225	860, 889
Sulphite, total.....	2, 912, 704	3, 220, 339	382, 421	1, 380, 480	550, 685	678, 142	3, 888	207, 141	4, 463	25, 710	1, 409	
Bleached sulphite.....	1, 792, 091	59, 113	1, 172, 485	226, 277	251, 037	72, 375	854	9, 950				
Unbleached sulphite.....	1, 437, 248	323, 308	207, 995	324, 408	422, 105	3, 888	134, 766	3, 609	15, 760	1, 409		
Sulphate, total.....	3, 354, 338	5, 860, 288	20, 873	555, 277	2, 545, 079	131, 814	2, 236, 143	301, 197	1, 570	61, 915	6, 420	
Bleached sulphate.....	1, 067, 858	3, 241	493, 037	309, 674	59, 785	59, 785	197, 744			4, 377		
Semibleached sulphate.....	108, 857	16, 425	16, 439	104, 868	3, 345	2, 874	54, 906					
Unbleached sulphate.....	4, 593, 573	1, 207	45, 801	2, 130, 537	68, 684	2, 233, 269	48, 547	1, 570	57, 538	6, 420		
Soda.....	515, 050	519, 651		489, 951	9, 967	5, 174		8, 601		5, 958		
Groundwood.....	1, 749, 118	2, 361, 110	1, 269, 553	159, 466	46, 458	211, 908	51, 347	115, 706	4, 627	53, 819	46, 129	402, 097
All other wood pulp.....	118, 613	1, 315, 047	1, 329	5, 465	49, 103	2, 304	453, 048	16, 693	1, 292	15, 754	311, 267	458, 792
Other fibrous materials, total.....	5, 462, 710	9, 502, 090	23, 276	878, 998	211, 465	157, 471	2, 809, 323	2, 329, 360	795, 140	870, 386	1, 074, 504	352, 167
Waste paper.....	4, 366, 257	8, 009, 052	23, 276	654, 909	176, 091	156, 903	2, 320, 112	2, 317, 125	793, 332	817, 435	615, 936	133, 933
Rags.....	468, 287	462, 388		128, 023	5, 673					8, 688	322, 004	
Straw.....	512, 093	520, 706					489, 211	9, 373	1, 808	18, 690	1, 624	
Miscellaneous fibrous materials.....	115, 173	509, 944	(d)	98, 066	29, 701	568	(d)	2, 862		25, 573	134, 940	218, 234

<sup>d</sup> Withheld to avoid disclosing figures for individual companies.<sup>1</sup> Does not include all defibrated and similar wood pulp used in building paper and board.

TABLE 8-A.—PAPER AND BOARD MACHINES: NUMBER AND DAILY AND ANNUAL CAPACITY AS OF DECEMBER 31, BY KIND OF MACHINE AND BY MAJOR GRADE, 1947 AND 1939

KIND OF PAPER AND BOARD	Year	Total			Fourdrinier						Cylinders <sup>2</sup>			Forming machines <sup>3</sup>		
		No.	Daily capacity <sup>1</sup>	Annual capacity <sup>1</sup>	With standard dryers <sup>1</sup>			With Yankee dryers <sup>2</sup>			No.	Daily capacity	Annual capacity	No.	Daily capacity	Annual capacity
					No.	Daily capacity	Annual capacity	No.	Daily capacity	Annual capacity						
<b>Total</b>	1947	1,708	71,050	22,873,557	825	36,816	11,922,681	116	2,829	918,419	563	27,346	8,697,599	204	4,059	1,334,858
	1939	1,569	53,411	16,557,410	885	30,383	9,418,730				684	23,028	7,138,680			
<b>Paper, including building paper, total</b>	1947	1,144	36,096	11,530,355	762	28,016	8,946,994	116	2,829	918,419	226	5,065	1,605,358	40	186	59,584
	1939	1,063	28,795	8,926,450	840	24,768	7,678,080				223	4,027	1,248,370			
Newsprint	1947	32	2,656	833,816	32	2,656	833,816									
	1939	40	3,188	988,280	40	3,188	988,280									
Groundwood	1947	63	2,742	848,201	61	2,721	842,161				2	21	6,040			
	1939	57	2,037	631,470	56	2,033	630,230				1	4	1,240			
Book	1947	180	7,686	2,413,647	180	7,676	2,410,597		10	3,050						
	1939	211	6,246	1,936,200	210	6,242	1,935,020				1	4	1,240			
Fine	1947	243	4,102	1,259,712	223	3,833	1,193,990	1	16	4,880	11	173	52,560	8	30	8,282
	1939	144	2,507	777,170	139	2,472	766,320				5	35	10,850			
Coarse	1947	207	9,435	3,150,952	153	7,994	2,685,461	33	1,042	330,821	21	309	125,670			
	1939	251	8,418	2,609,580	214	7,898	2,448,380				37	520	161,200			
Special industrial	1947	44	1,013	310,597	15	597	185,480	2	16	4,875	23	371	111,632	4	20	8,610
	1939															
Sanitary and tissue	1947	239	3,810	1,217,678	72	1,548	490,927	76	1,699	551,900	91	572	174,851			
	1939	217	2,558	792,980	125	1,882	583,420				92	676	209,690			
Absorbent	1947	42	355	111,949	13	265	84,943	1	8	2,113	5	60	18,461	23	22	6,442
	1939	52	535	165,850	36	495	153,450				16	40	12,400			
Building paper	1947	94	4,288	1,383,803	13	676	219,619	3	38	11,780	73	3,409	1,110,154	5	105	36,250
	1939	69	3,027	938,370	8	377	116,870				61	2,050	821,500			
Other paper	1947															
	1939	22	270	86,490	12	181	56,110				10	98	30,380			
<b>Paperboard, including wet machine board, total</b>	1947	514	31,255	10,109,887	61	8,720	2,951,687				333	21,968	6,998,323	120	567	159,877
	1939	506	24,616	7,630,960	45	5,615	1,740,650				461	19,001	5,890,310			
Container board	1947	160	15,696	5,211,974	48	7,816	2,649,678				112	7,880	2,562,206			
Bending board	1947	133	9,488	3,011,736	6	677	229,412				127	8,811	2,782,324			
Nonbending board	1947	43	2,644	834,659		14	4,610				43	2,630	830,049			
Cardboard	1947	8	322	97,109	1	43	14,357				7	270	82,752			
Special paperboard stock	1947	42	2,512	786,729	4	162	51,230				38	2,350	735,409			
Wet machine board	1947	128	593	167,680	2	8	2,400				6	18	5,403	120	567	159,877
<b>Building board</b>	1947	50	3,699	1,233,315	2	80	24,000				4	313	93,018	44	3,306	1,115,397
<b>Machines idle in 1947<sup>4</sup></b>		9	205	66,155	3	63	17,805				2	125	43,600	4	17	4,850

<sup>1</sup> Maximum annual capacity in 1917 is actual daily capacity multiplied by the maximum number of working days which each paper mill reported that it could operate in a year under ideal manufacturing and marketing conditions. Annual capacity in 1939 is daily capacity reported on a 6-day operating week basis multiplied by 310 days. Daily capacity is not strictly comparable in the two years. The annual capacities are comparable.

<sup>2</sup> Not reported separately in 1939.

<sup>3</sup> Forming machines used for making building board not reported in 1939; other forming machines, principally wet machines, reported as cylinder machines in 1939.

<sup>4</sup> Data on these idle machines not included in grade and industry totals.

TABLE 8-B.—ANNUAL CAPACITY, PRODUCTION, AND PRODUCTION-CAPACITY RATIO, BY MAJOR GRADE GROUP: 1947, 1939, AND 1929

GRADE GROUP	1947			1939			1929		
	Capacity <sup>1</sup> (tons)	Production (tons)	Production- capacity ratio	Capacity <sup>1</sup> (tons)	Production (tons)	Production- capacity ratio	Capacity <sup>1</sup> (tons)	Production (tons)	Production- capacity ratio
<b>Paper and board, total</b>	22,873,557	21,114,000	92.3	16,557,410	13,509,642	81.6	13,704,480	11,140,235	81.3
<b>Paper, total</b>	10,146,552	9,415,909	92.8						
Newsprint	836,856	833,038	99.5	988,280	954,269	96.6			
Groundwood paper	846,661	821,318	97.0	631,470	540,342	85.6			
Book paper	2,413,647	2,207,923	91.5	1,936,200	1,534,591	79.2	3,409,830	3,270,503	94.2
Fine paper	1,258,212	1,171,539	93.1	777,170	626,334	80.6			
Coarse paper	3,150,952	2,903,450	92.1				670,220	635,062	94.8
Special industrial paper	310,597	289,490	93.2	2,609,580	2,238,993	85.8	2,030,800	1,605,783	78.7
Sanitary and tissue	1,217,678	1,088,656	89.4	792,980	665,723	83.9	442,680	387,811	87.0
Absorbent	111,949	100,486	89.8	165,850	121,717	73.4	148,800	90,800	61.0
<b>Paperboard, total</b>	9,942,207	9,186,810	92.4	7,630,960	6,104,968	80.0	5,696,870	4,451,187	78.1
Container board	5,211,974	4,943,094	94.8						
Bending board	3,011,736	2,757,889	91.6						
Nonbending board	834,659	705,424	84.5						
Cardboard	97,109	91,858	94.6						
Special paperboard stock	786,729	687,945	87.4						
<b>Wet machine board</b>	167,680	149,800	89.8						
<b>Building materials, total</b>	2,617,118	2,361,481							
Building paper and flexible insulation	1,883,803	1,289,109	68.1	938,370	650,000	70.2	911,000	650,178	72.3
Building board	1,233,315	1,072,372	86.9						

<sup>1</sup> See footnote 1, table 8-A.

<sup>2</sup> Includes 86,490 tons of "other paper" in capacity and 63,625 tons in production.

<sup>3</sup> Includes 325,190 tons of "other paper" in capacity and 39,311 tons in production.